FERRETERRO

Safety Simplified

Catalog 2024-25

# FERRETERRO - 175 YEARS OF EXEMPLARY SERVICE

1845

**Nanhemal Banarasidas**

(Later Transformed to)
Grand Iron Works

**(First Foundry of Delhi)**

1928

**Nanhemal Jankidas**

1928

**Film Studio in Lahore**

1933

**Manoranjan Pictures**

(Chandani Chowk)
Film Distribution & Financing

1942 - 1985

**Movies Press**

(Chawri Bazaar)
Print Media

1946

**Banarasidas Khandelwal & Sons**

1952

**Jhalani Brothers**

Trading of Hardware & Mill Store Goods

Kolkata | Delhi | Mumbai | Kanpur | Jalandhar

1961

**Gedore Tools Ltd.**

1961

**Jhalani Tools Pvt. Ltd.**

1961 - Faridabad
1964 - Faridabad
1968 - Faridabad
1971 - Kundli
1977 - Aurangabad
1980 - Jalna

2002

**Ferreterro India Pvt. Ltd.**

2018

**Ferreterro Hoists Pvt. Ltd.**

**Ferreterro Tools LLP**

वीर तुम बढ़े चलो, धीर तुम बढ़े चलो,
साथ में ध्वजा रहे, बाल दल सजा रहे,
ध्वज कभी झुके नही, दल कभी रुके नही,
सामने पहाड़ हो, सिंह की दहाड़ हो,
तुम निडर हटो नही, तुम निडर डटो वही,
वीर तुम बढ़े चलो, धीर तुम बढ़े चलो,
प्रात हो कि रात हो, संग हो ना साथ हो,
सूर्य से बढ़े चलो, चन्द्र से बढ़े चलो,
वीर तुम बढ़े चलो, धीर तुम बढ़े चलो

द्वारिका प्रसाद माहेश्वरी

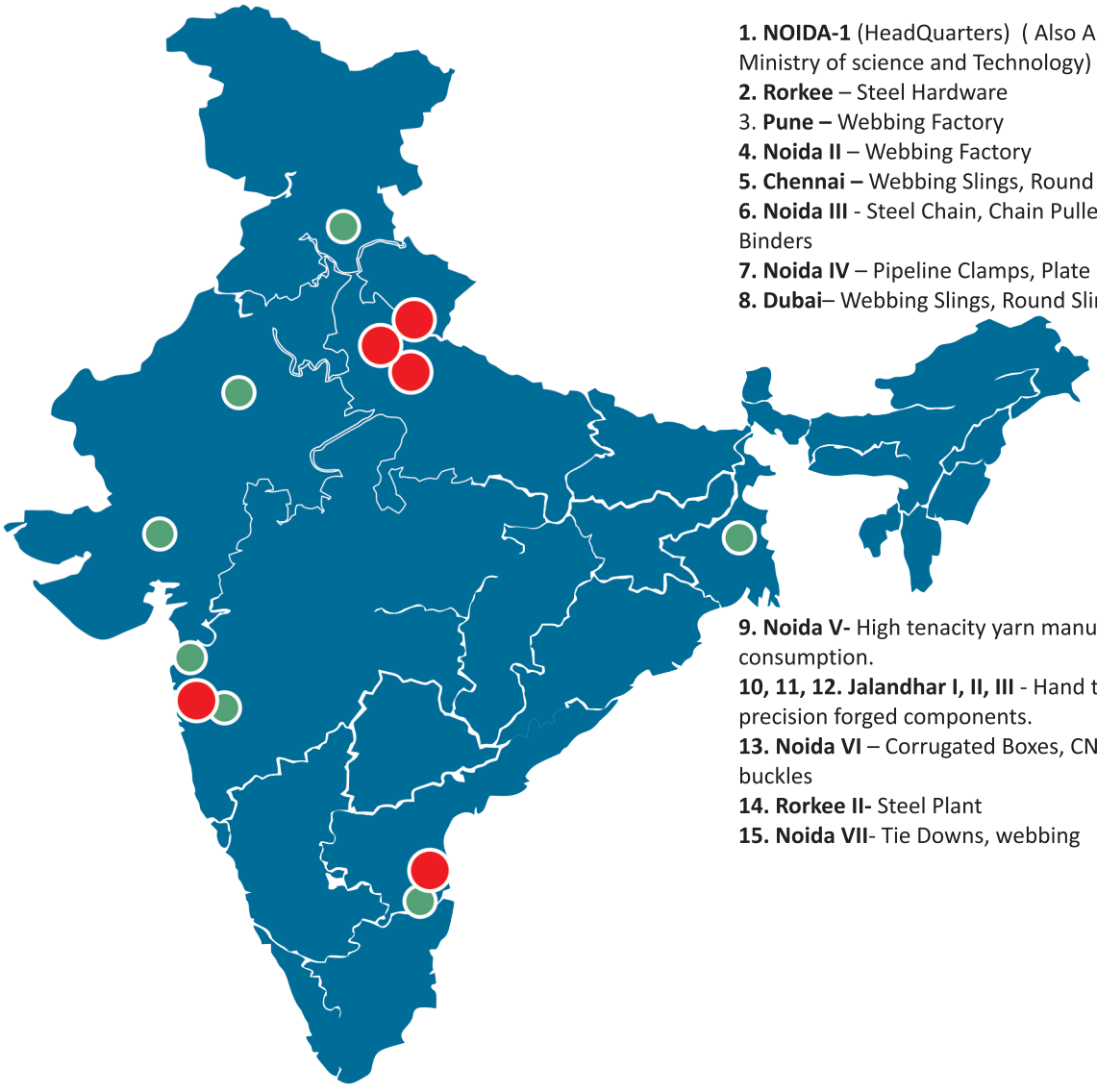
Ferreterro India is dedicated to provide lifting and load securing solutions with a strong focus on safety. Our range of products include Lifting Equipment, Lashing Systems, Cargo Control Products, Fall Protection Products, High Tenacity Polyester Yarn, Graded Alloy Steel and covers a wide spectrum of requirements for safe transit and operation. The integration of the latest technology, computer-aided machines, embedded software, and product design expertise ensures that products are at the forefront of innovation. By combining state-of-the art manufacturing techniques with rich experience in the industry, we can deliver high-quality products to our customers.

Our continuous drive to innovate and simplify things, has improved safety standards in the industry.

**Members:**

# Facilities

## MANUFACTURING FACILITIES



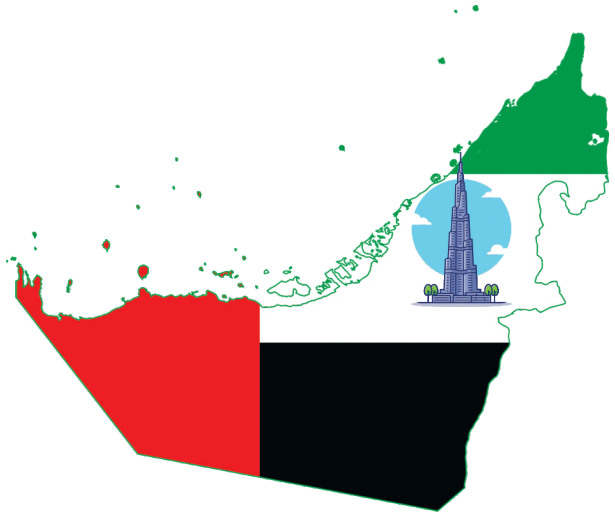
**1. NOIDA-1** (HeadQuarters) ( Also Approved R&D centre by Ministry of science and Technology)
**2. Rorkee** – Steel Hardware
3. **Pune –** Webbing Factory
**4. Noida II** – Webbing Factory
**5. Chennai –** Webbing Slings, Round slings, Assembly unit
**6. Noida III** - Steel Chain, Chain Pulley Blocks, Hoists, Load Binders
**7. Noida IV** – Pipeline Clamps, Plate clamps, Profile Div
**8. Dubai**– Webbing Slings, Round Slings, Assembly Unit
**9. Noida V-** High tenacity yarn manufacturing for self consumption.
**10, 11, 12. Jalandhar I, II, III** - Hand tools, Wrenches and precision forged components.
**13. Noida VI** – Corrugated Boxes, CNC turning, Strapping buckles
**14. Rorkee II-** Steel Plant
**15. Noida VII**- Tie Downs, webbing

## WAREHOUSES CUM OFFICES

- Mumbai
- Pune
- Chennai
- Kolkata
- Jaipur
- Jalandhar
- Gujarat

**Manufacturing Plants**
*(total capacity 32000 tons/p.a.)*

**Warehouses cum Offices**
*Across India in Seven cities*

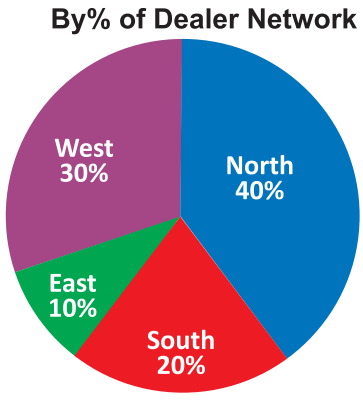


# Distribution Network

## Dealers Network: Pan India

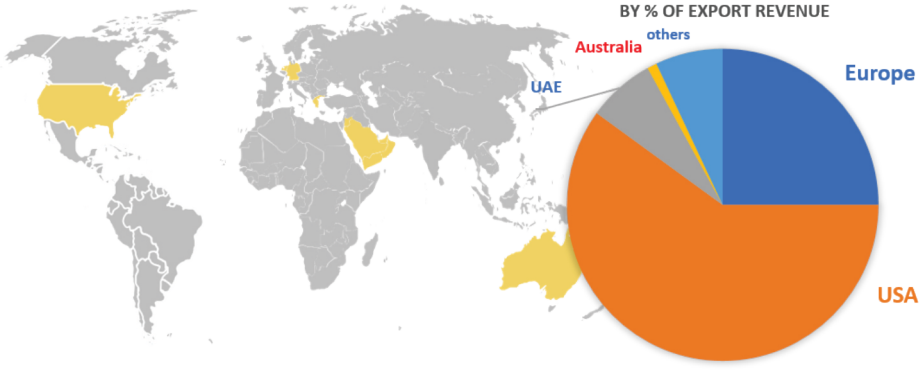
- Regional offices in main cities are established to coordinate with dealers.
- 7 sales offices-cum-warehouses serviced by 40+ technical sales personnel.
- 3 Exclusive consignment Agents & Dealers

**Dealers Network**
*(Over 350 Dealers)*



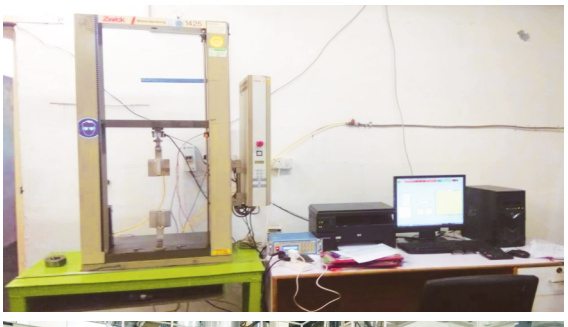

## Overseas Markets

- Representatives distribution in Germany, Netherlands, USA, Middle East, Australia, Greece




# Quality Policy

FERRETERRO INDIA PVT. LTD. is committed to manufacture and timely provide cost effective and quality products to customers for customer satisfaction through ethical working, skill enhancement and continous improvement in quality management systems by total employee involvement.



# Equipment

## Steel Manufacturing

State of art Steel melting furnace, AOD, Electrothem equipment, Continous Casting, Complete rolling mill to produce Sheet, Strips, Round, Wire rod in several thickness and alloy steel grades. Plant is equipped to manufacture special grade steel and Stainless steel.

## Yarn Maufacturing:

Buhler SSP's, Barmag and Reiter Extrusion and Spinning system, Barmag Winders, Zwick Testing, Oerlikon Twisters, Salmoiraghi packaging

## Webbing:

Warping machines, High speed needle looms, Automatic Tape measuring and cutting machines, Continous multi color printing Machines, Continous Dyeing and finishing machines, Heavy Duty Sewing Machines, CNC Sewing Machines, Round Sling Manufacturing Machines.

## Wire Drawing Plant:

Over head Cranes, Cleaning Tanks, Shaving Machine, Draw Bench upto 20mm, Straightening and Cutting Machine.

## Wire Forming Machines:

High Speed Rotary Stamping Machine, Multiple Heads of Forming Machines, Computer Controlled Fully Automatic Forming Machine, Bending Machines.

## Manual and Robotic Welding:

Multiple Wending Machines with Jigs and Fixtures, Robotic Welding Fixtures, Precision High Tensile Welding Machines, Crack Detection System.

## Heat Treatment:

Pre heating furnaces, Salt Bath Electrical Furnaces and Stress Relieving Furnace.

## Forging Plant:

Drop Forge Hammers, Press Shop For Machining, Cleaning Machines, Multiple Grinding Machines, Line of Barrels for Stone Polishing, Shot Blast Machines. In House Tool Room for Forging Dies.

## Press shop for Metal Stamping Parts:

We have a battery of Ecentric Power Presses from 5 tons to 200 tons with

## Castings:

Shell Core Shooters for Precision Metal Castings.
Induction Furnace for Alloy Stel Casting, Grinding Machines and Shot Blasting Machines.

## Composite Strap:

Polymer Mixing and Auto Dosing plant, Nitrogen Generation plant, Extrusion Lines, Auto Rewinding lines

**Automatic Roto Electroplating plants With Zero Polluting Passivations.**
**Printing Machines for Labels as per EN Standards.**

**Injection Moulding**
**Injection Molding Machines for Plastic, PVC, PP, LD, and HDPE parts.**

**Chain Manufacturing Plant -** Bending Machines, Heat Treatment, Robotic Welding, Finishings.

**Dunnage Bag Plant -** P.P. and Paper Dunnage Bags.

## Tool Room

Tool Room: Surface finishing machines, CNC wire cuts, Vertical machining Centres, Turning Centres, Milling machines, Precision drill machines.

## Laboratory

Hardness Testers, Lab Ovens, Computer Controlled Tensile Testing Machines, Digital High Capacity Tensile Testing Machine, pH Meters, Digitally Controlled temperature sensors and all Types of Continous Process Based Testing Instruments, Chemicals Testing Lab, Color Matching Machine, Flammability Tester.

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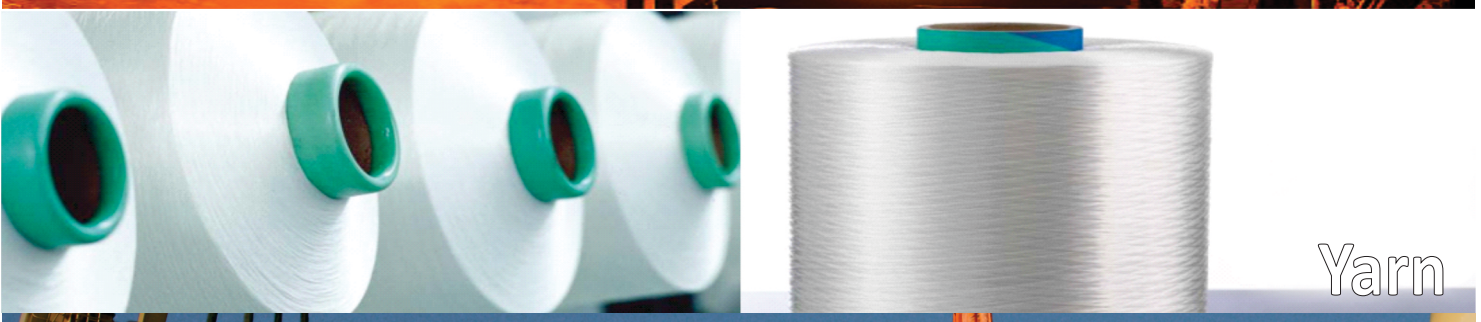
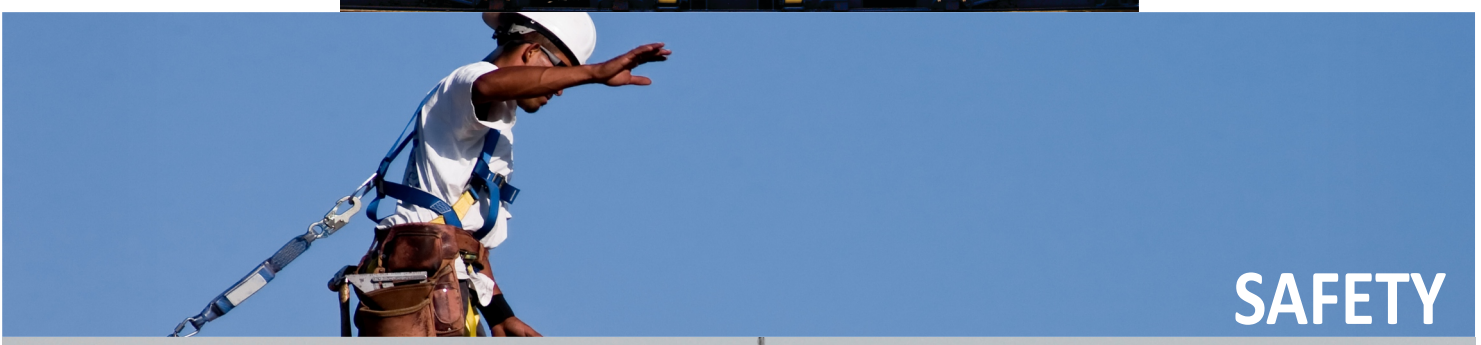
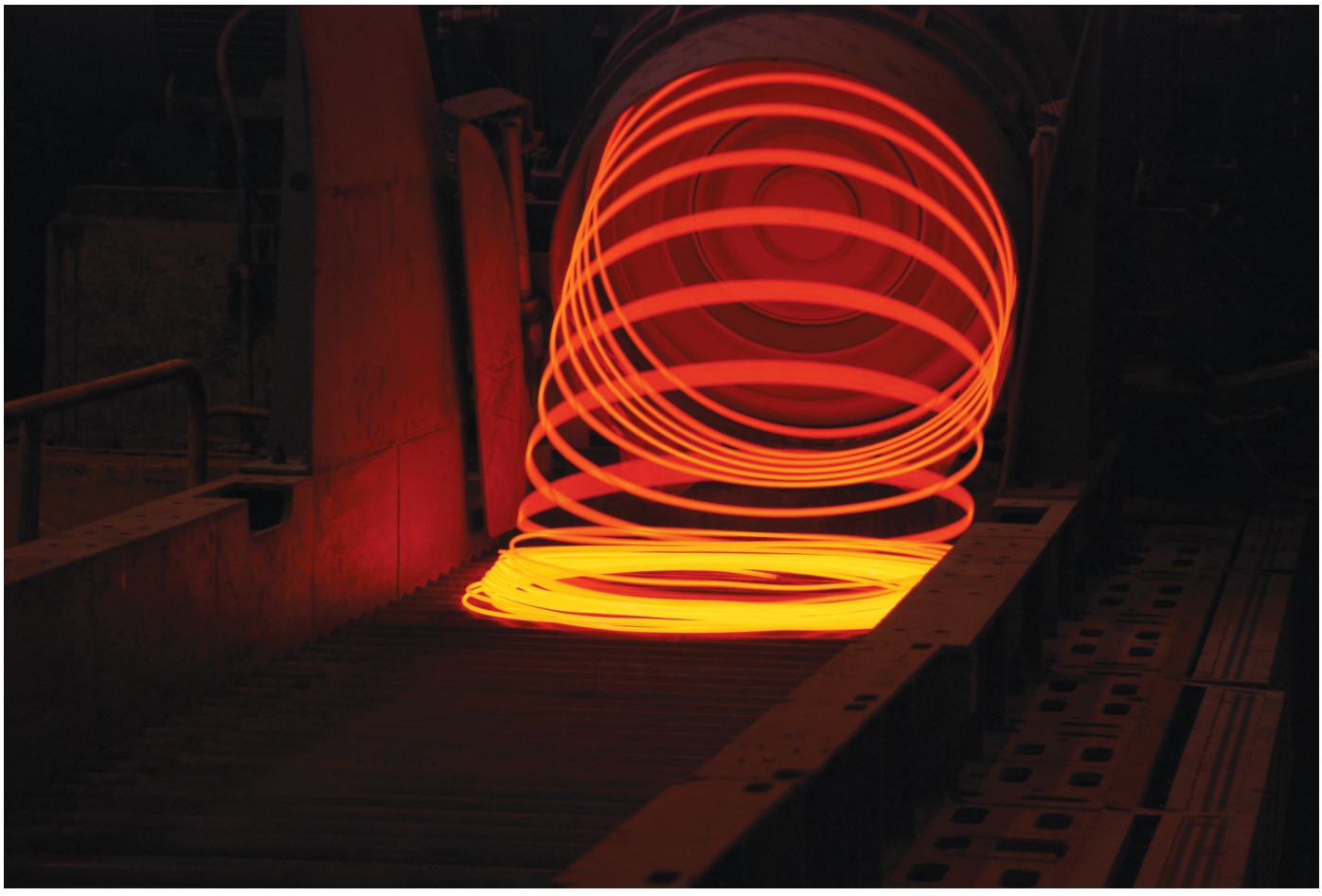


HOIST

CARGO CONTROL & LASHING



# Steel Plant



Ferreterro has strategically invested in cutting-edge manufacturing facilities, featuring state-of-the-art technologies such as the Steel Melting Furnace, AOD (Argon Oxygen Decarburization) equipment, Electrotherm equipment, and Continuous Casting. This comprehensive setup allows the company to engage in the production of a diverse range of steel products.

The product portfolio includes graded steel, carbon steel, and alloy steel, showcasing the company's versatility in meeting various industrial demands. Furthermore, the inclusion of stainless steel production highlights Our commitment to providing corrosion-resistant and high-quality materials.

The manufacturing process covers the entire spectrum from melting the steel to the final stages of rolling and forming. The incorporation of advanced technologies like AOD indicates a focus on refining and enhancing the quality of the steel produced. The ability to offer different alloy steel grades underscores the company's capacity to tailor its products to specific industry requirements.

The production of sheets, strips, rounds, and wire rods in various thicknesses further emphasizes the company's capability to cater to diverse applications and customer needs.

Moreover, the emphasis on special-grade steel manufacturing positions Ferreterro as a provider of customized solutions, potentially attracting customers with unique specifications.

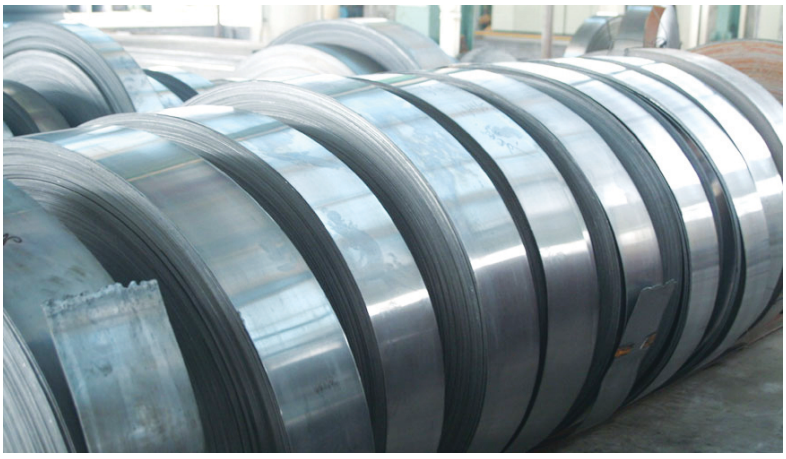
GRADES

| | |
|---|---|
| Low carbon | SAE 1006 / 1008 / 1010 / 1012 / 1015 / 1018 / 1020, CAQ |
| Medium carbon | SAE1030 / 1035 / 1038 / 1040 / 1541 / EN8D |
| High Carbon | C36 / 40, C41 / 45, C51 / 55, C56 / 60, C61 / 65, C66 / 70, C71 / 75, C76 / 80, C81 / 85 |
| CHQ /Boron | SAE1010 / 1015 / 1018 / 1020, SAE10B21, SAE15B25, SAE15B41, 19MnB4 |
| Alloy grades | 16MnCr5, 20MnCr5, SCM 415H, SCM 420H, SAE8620, SAE4135, SAE4140 |

**Sizes**
Wire rod 5mm – 20 mm Dia
Round 14 mm- 60 mm Dia

| | |
|---|---|
| Carbon and Alloy steel grades | EN19, EN24, EN25, EN26, EN30, EN31, EN36C, EN39, EN 40, EN41B, EN42, EN9, EN14A, EN15, EN16, EN18, EN47, EN100, EN351, EN353, EN354, EN355, C22E, C25E, C30, C35E, C45, CK45, C50, C55, C60, S45C, S235J2, S275J2, S355J2, ST52.3, C35E, C45R, 35B2, 28Mn6, 46Cr2, 34Cr4, 41Cr4, 20Mn5, 42CrMo4, 50CrMo4, 30CrNiMo8, 34CrNiMo6, 36CrNiMo4, 36NiCrMo16, 51CrV4 27MnCrB5, 32CrB4, 25CrMo4, 20MnCr5, 16MnCr5, 16MnCrS5,17CrNiMO6, 18CrNiMo7, 20MnB4, 23MnB4, 23MnB3, 34CrMo4V, SS410, SS16, SS420, SS431, SCM420, SCM440, 13Ni13Cr3, 15Ni16Cr5, 36Si7, 40Cr4, 15Ni5Cr4Mo1, 15Ni7Cr4Mo2, 16Ni8Cr6Mo2, 36Si7, 37C15, 35Mn6Mo3, 40Ni6Cr4Mo3, 40Ni10Cr3Mo6, 55Si7, 50Cr4V2, 25Cr13Mo6, 10C8S10, 14Cr14S14, 25C12S14, 40C10S18, 11C10S25, 40C15C12,<br><br>SAE 1010, SAE1025, SAE1030, SAE 1035, SAE 1040, SAE 1117, SAE1541H, SAE4130, SAE4135, SAE4140, SAE4145, SAE4145H, SAE 4330, SAE 4340, SAE 4820, SAE5160, SAE8620, SAE 8630, SAE8640, SAE52100, SAE9310, AISI1010, AISI1025, AISI1030, AISI 1035, AISI 1040, AISI 1117, AISI1541H, AISI 4130, AISI4135, AISI4140, AISI4145, AISI4145H, AISI 4330, AISI 4340, AISI4820, AISI 5160, AISI 8620, AISI 8630, AISI 8640, AISI 9310 |

**Sizes**
Strip 5mm – 16 mm thickness, 200 mm width
Coil 1.5 mm- 8 mm thickness 350 mm width

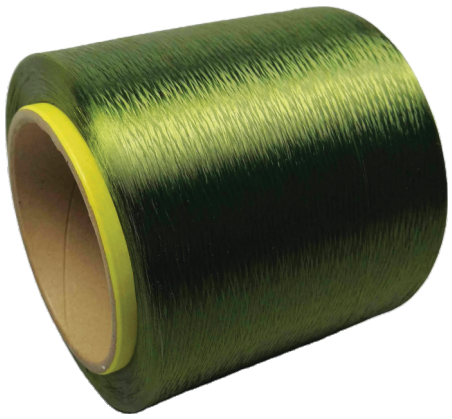


In our Drive to innovate , 100% customer satisfaction, growing demands and consumption,  We started manufacturing own High Tenacity Polyester Yarn.

Aiming towards self consumption  we acquired state of art plant from Germany. Solid state Polymerization system from Buhler, Spinning, Drawing and Winding from Barmag  with capacity of  7200 tons opens new possibilities, control  on product modifications and innovative products.

# High Tenacity Color Yarn

We manufacture Dope Dyed High Tenacity Polyester Yarn from 500- 6000 denier in several running colors. Also available in Custom color.



# Webbing Slings

We manufacture Webbing Slings of upto 115 tons capacity as per EN 1492-1:2000, IS 15041:2001, AS 1353, DIN, WSTDA and ASME B30.9 standards. Flat Webbing Lifting Slings are made from high tenacity polyester webbing, colour coded for ease of identification for lifting. These are available in five basic types: Simplex, Duplex Triplex, Multiply and Endless. Simplex Slings are manufactured from single thickness webbing, whereas Duplex slings are manufactured from double thickness webbing, Triplex of Three layers and multiply upto 10 layers. All are either terminated in a metal end fitting or more popularly sewn back upon themselves with a high tenacity polyester fabric to form a reinforced eye, which provides greater durability than the traditional leather eye. The webbing is stitched close to the eye which is upto 45" long bearing to bearing. However, endless slings are manufactured from single thickness webbing sewn in a continuous loop with an overlap. These slings are mainly used when needing a wide grip on large equipment, e.g. for lifting pipes. In order to protect the webbing from unnecessary wear and tear, various sleeves are available, in any length, which can also protect both the sling and any fragile loads.

## Advantages of Webbing Slings

- Polyester Slings are much lighter & flexible therefore, easy to rig and handle.
- Do not damage sensitive or delicate surface resulting in lower industrial wastage.
- Problem free agreeable handling.
- Grips load tightly along the contours of the load.
- Minimizes the shock loading, can absorb heavy shocks without damage.
- Are colour coded for ease of identifications thus less chances of misuse.
- Easy visual inspection, saving frequent inspection and proof load testing.
- Do not rust or corrode and therefore does not weaken the edge.
- Improves productivity and employee's morale, therefore better labour relationships.
- Saves storage cost as they are flexible and lighter in weight, easy to store.
- Polyester slings have low initial cost and a long serving life, cost effective.
- Eliminates need of consumables like grease or hand gloves reducing recurring cost.
- Reduced machine downtime.
- No electrical conductivity.

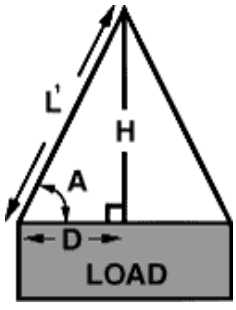
| Sling Angle (A) | Load Angle Factor | Sling Angle (A) | Load Angle Factor |
|---|---|---|---|
| 90° | 1.000 | 55° | 1221 |
| 85° | 1.004 | 50° | 1.305 |
| 80° | 1.015 | 45° | 1.414 |
| 75° | 1.035 | 40° | 1.555 |
| 70° | 1.064 | 35° | 1.742 |
| 65° | 1.104 | 30° | 2.000 |
| 60° | 1.155 | | |

### Determining the Load on Each Leg of a Sling with Equal Legs

Load On Each Leg of a Sling (L1) =

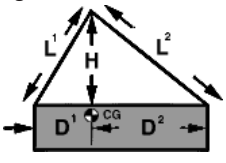
**Load (lbs.) x Load Angle Factor**
**Number of Legs***

*See also three and four leg slings below




### Unequal Legs

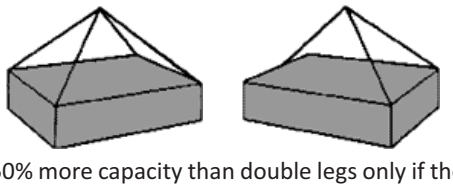
To calculate the load on each leg of a sling with unequal legs:




Load on Leg L1 = $\frac{\text{Load (lbs) x D1 x L1}}{\text{H x (D1 + D2)}}$

Load on Leg L2 = $\frac{\text{Load (lbs) x D2 x L2}}{\text{H x (D1 + D2)}}$

### Three & Four Legs

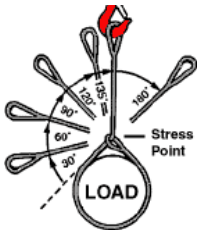


Triple leg slings have 50% more capacity than double legs only if the center of gravity is in the center of the connection point and the legs are adjusted to share the load equally.
Rigging a Quad leg sling so that all legs share the load equally is very difficult. Therefore, when adjusting the working load limit of four leg chain slings, the number of legs in the calculation must be 3 not 4. Many riggers follow this model for quad leg slings of any material, relying on the fourth leg for stability only.

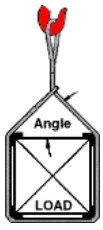
## Choker Hitch

**Choke Angle -** When lifting or turning a load rigged with a choker hitch, the angle at which a sling is turned back on itself can reduce it's capacity below what is listed for its choker hitch, if the angle is too severe. When a load is allowed to hang free, the natural choke angle is about 135°.

| Choke Angle | Choke Factor |
|---|---|
| 120° + | 1.00 |
| 90° - 120° | 0.87 |
| 60° - 89° | 0.74 |
| 30° - 59° | 0.62 |
| 0° - 29° | 0.49 |




**Choker Hitch Rated Capacity -** A choker hitch will have 75% of the capacity of a single leg vertical hitch only if the corners are softened and the horizontal angle is greater than 30°.

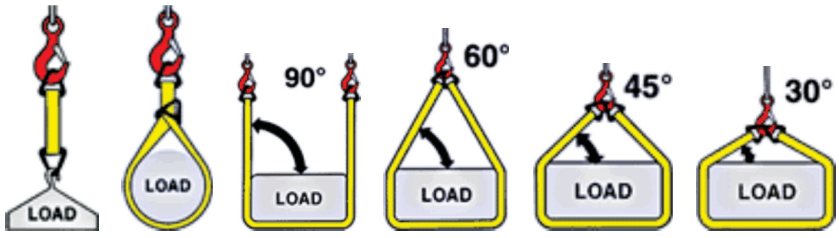



Use blocks to prevent angles less than 30°.

## Ringing with Slings

## Basic Slings Hitches and their effect on Working Load Limits

This illustration shows the basic sling hitches.
It also shows capacities for a single sample sling, rigged with each hitch.
The sample sling's Working Load Limit in a vertical hitch is 500 lbs.




| Sample Sling WLL (lbs.): | 500 | 375 | 1,000 | 866 | 707 | 500 |
|---|---|---|---|---|---|---|

This sling has a Working Load Limit of 500 lbs. in a vertical hitch. Used in a choker hitch, it would have a capacity of 375 lbs. Used in a basket hitch with the legs at a 90° angle to the load, it would have a working load limit of 1,000 lbs. Used in a basket hitch with the legs at a 60° angle to the load, it would have a working load limit of 866 lbs., etc. - Why? The angle at which a sling is used, and the number of legs lifting the load can significantly effect its capacity. The formula for this calculation is shown below.

**Vertical -** When a sling is used in a vertical hitch, the full lifting capacity of the sling material can be utilized.

**Choker -** Due to the stress created at the choke point, slings rigged with this hitch achieve only about 75% of their potential capacity. Always pull a choker hitch tight before a lift is made - never during the lift.

**Basket Hitch (90°) -** The cradle configuration of this hitch allows the two extending ends (legs) of the sling to function as if they were two separate slings. The capacity of the sling in this hitch is twice that of the same sling in a vertical hitch, but only if the sling angle of each leg is 90° (see right). Lifting with both legs at 90° would normally require two lifting devices or a spreader bar.

**Basket Hitch (less than 90°) -** When slings or sling legs are used at an angle during a lift , the sling capacity is reduced. How much it is reduced depends on the sling angle (see above and table, right).
Note that the rated capacity of a 30° Basket is only one half that of a 90° Basket. Sling angles below 30° are strongly discouraged. A sling angle of 60° or more is preferred.

**Sling Specification Tables -** Sling tables throughout our site contain the Working Load Limits of slings rigged with these hitches at certain specified angles.

| Sling Angle | Sling Angle Factor |
|---|---|
| 90° | 1,000 |
| 85° | 0.996 |
| 80° | 0.985 |
| 75° | 0.966 |
| 70° | 0.940 |
| 65° | 0.906 |
| 60 | 0.866 |
| 55° | 0/819 |
| 50 | 0.766 |
| 45° | 0.707 |
| 40 | 0.643 |
| 35° | 0.574 |
| 30 | 0.500 |

## Formula for adjusting the Working Load Limit of a sling or sling leg used at an angle:

**Vertical Hitch Working Load Limit X Number of Legs* X Sling Angle Factor = WLL at specified angle.**

The Working Load Limit for the sample sling above, in a 60° basket hitch would be calculated as follows:
500 lbs. (Vertical WLL) x 2 (num. of legs) x .866 (sling angle factor from table) = 866 lbs.

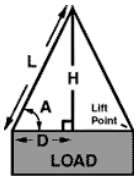
**Chain Slings: When adjusting the working load limit of four-legged chain slings, the number of legs entered in the formula must be 3 not 4. This is due to the difficulty of rigging a quad leg chain sling so that all legs share the load equally.*

## Determing Sling Angle

Use the formula below and the Sling Angle Table to estimate the lift angle.

**H / L = Sling Angle Factor**

| Sling Angle (A) | Load Angle Factor | Sling Angle (A) | Load Angle Factor |
|---|---|---|---|
| 90° | 1.000 | 55° | 0.819 |
| 85° | 0.996 | 50° | 0.766 |
| 80° | 0.985 | 45° | 0.707 |
| 75° | 0.965 | 40° | 0.643 |
| 70° | 0.940 | 35° | 0.574 |
| 65° | 0.906 | 30° | 0.500 |
| 60° | 0.866 | | |




## Determing Reach

To calculate the reach for equal legs needed to rig at a 45° or 60° angle.
**Reach at 60 degrees: L = 2 x D** **Reach at 45 degrees: L = 1.4 x D**

On Multi-Leg Slings:
**Reach = L**

**Reach = 2 L + the distance around the load ( from lift point to lift point.)**

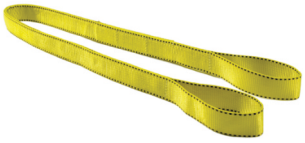
# Construction of Slings

Synthetic Slings are available in Flat Webbing, Flat endless, Round Endless and Round Eye to Eye type. These slings are available in apacity range 500 kg to 500 ton. All our polyester slings are manufactured as per EN 1492-1:2000 standards and ASME B30.9 standards.

**FLAT WEBBING SLINGS**

Our Polyester flat slings are made from high tenacity polyester webbing, colour coded for ease of identification for lifting. These slings are available in two basic types:

**Eye and Eye Type**



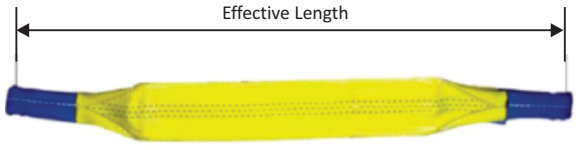
Eye and eye slings are made with a flat loop eye on each end with a loop eye opening on the same plane as the sling body. This type of sling is generally called Flat eye and eye, eye & eye or double eye sling, Versatile and flexible, this sling can be used in all three hitches (Vertical Basket or Choker)

**Endless type**

Endless slings are made with a continuous loop formed by joining ends of the webbing together with a load bearing splice. Extremely versatile as the design allows rotating the bearing points, avoiding a single constant bearing point thereby increasing the life of the sling. It can be used in all three hitches

**WEB SLING EYE TYPES**

The eye of a web sling is subject to wear and tear on every lift. Sling life can be extended by selecting the most appropriate style of eye, adding additional protective layer on to the loop area and tapering wider widths to better fit and sit on the hook.



Flat eye - Webbing Width

One side folded eye - ½ Webbing Width

Folded eye - ½ Webbing Width

Twisted eye - ½ Webbing Width

Two side folded eye - ½ Webbing Width

**SLING WIDTH & THICKNESS**

Web Slings in regard to their width, should meet the demands of practical applications. They should have the required thickness to prevent wear. Narrow web slings of the same capacity are usually thicker than wide ones. Decreasing width of the sling naturally decreases stability of the edges and traverses. This effect reverses with increasing thickness. Wide web slings are useful for hanging load and especially in combination with traverses. Narrow web slings have advantages for diagonal tension due to their compact construction design. Wider slings offer a good support area.

Our slings therefore are developed in ideal fabric design for sensible and practical sling width.

Following types of flat slings are available:-

1) Simplex Slings
2) Duplex Slings
3) Quadruplex Slings
4) Multi-ply Slings

Simplex (1 ply)

Duplex (2 ply)

Quadruplex (4 ply)

Multy-ply Extreme Slings

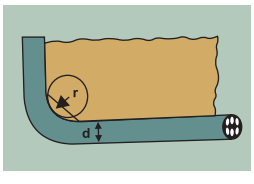
# Simplex Webbing Slings

100% High Tenacity Polyester.
Made of Single thickness of Webbing.
Flat & Wide Load Bearing surface.
According to EN 1492-1:2000 or ASME B 30.9. Safety Factor 7:1 and 5:1.
Low Elongation 3-7%.
High strength to weight ratio.
Available upto 300 mm width & 6 Ton Capacity.
Colour coded for easy identification.
Maximum working temperature 90°c.
Anti-abrasion sleeves and anti-cutting sleeves protection (optional).

FLAT EYE WEBBING WIDTH

TWISTED EYE WEBBING WIDTH

| ITEM CODE | WIDTH | COLOUR CODE | SIMPLEX WEBBING SLINGS CAPACITY IN KGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WLL kg with one webbing sling | | | | | WLL kg with two webbing sling | | | |
| | | | Straight lift | Choke Hitch | Basket Hitch up to 7° | Basket Hitch 7° - 45° | Basket Hitch 45° - 60° | Straight Inclination 7° - 45° | Straight Inclination 45° - 60° | Choke Inclination 7° - 45° | Choke Inclination 45° - 60° |
| MODE FACTOR | | | M=1.0 | M=0.8 | M=2 | M=1.4 | M=1.0 | M=1.4 | M=1.0 | M=1.12 | M=0.8 |
| FSP-500 | 25 | VIOLET | 500 | 400 | 1000 | 700 | 500 | 700 | 500 | 560 | 400 |
| FSP-1000 | 50 | GREEN | 1000 | 800 | 2000 | 1400 | 1000 | 1400 | 1000 | 1120 | 800 |
| FSP-1500 | 75 | YELLOW | 1500 | 1200 | 3000 | 2100 | 1500 | 2100 | 1500 | 1680 | 1200 |
| FSP-2000 | 100 | GREY | 2000 | 1600 | 4000 | 2800 | 2000 | 2800 | 2000 | 2240 | 1600 |
| FSP-2500 | 125 | RED | 2500 | 2000 | 5000 | 3500 | 2500 | 3500 | 2500 | 2800 | 2000 |
| FSP-3000 | 150 | BROWN | 3000 | 2400 | 6000 | 4200 | 3000 | 4200 | 3000 | 3360 | 2400 |
| FSP-4000 | 200 | BLUE | 4000 | 3200 | 8000 | 5600 | 4000 | 5600 | 4000 | 4480 | 3200 |
| FSP5000 | 250 | ORANGE | 5000 | 4000 | 10000 | 7000 | 5000 | 7000 | 5000 | 5600 | 4000 |
| FSP-6000 | 300 | ORANGE | 6000 | 4800 | 12000 | 8400 | 6000 | 8400 | 6000 | 6720 | 4800 |



**PROTECTION AGAINST SHARP EDGES**
Synthetic slings can only be used for sharp edged loads with rough surfaces if the area in danger is protected. A sharp edge means that the radius of the edge r is smaller

**DO YOU KNOW**

Anti abrasive sleeves increase life of webbing slings by average 10 times.

# Duplex Webbing Slings

100% High Tenacity Polyester.
Made of Double thickness of Webbing.
Flat & Wide Load Bearing surface.
According to EN 1492-1:2000, AS1353.1 or
ASME B 30.9, Safety Factor 8:1, 7:1 and 5:1
Low Stretch Factor : Elongation 3-7%
High strength to weight ratio : Weight 80%
less than Equivalent Wire or Chain Slings.
Available upto 600 mm width & 12 Ton Capacity.
Colour coded for easy identification.
Maximum working temperature 90°c.
Anti-abrasion sleeves and anti-cutting sleeves protection
(optional).

FLAT EYE WEBBING WIDTH

TWISTED EYE WEBBING WIDTH

TWISTED EYE 1/2 WEBBING WIDTH

FOLDED EYE 1/2 WEBBING WIDTH

ONE SIDE FOLDED EYE 1/2 WEBBING WIDTH

TWO SIDE FOLDED EYE 1/2 WEBBING WIDTH

| ITEM CODE | WIDTH | COLOUR CODE | DUPLEX WEBBING SLINGS CAPACITY IN KGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WLL kg with one Webbing Sling | | | | | WLL kg with two Webbing Sling | | | |
| | | | Straight lift | Choke Hitch | Basket Hitch up to 7° | Basket Hitch 7° - 45° | Basket Hitch 45° - 60° | Straight Inclination 7° - 45° | Straight Inclination 45° - 60° | Choke Inclination 7° - 45° | Choke Inclination 45° - 60° |
| | | | | | | | | | | | |
| MODE FACTOR | | | M=1.0 | M=0.8 | M=2 | M=1.4 | M=1.0 | M=1.4 | M=1.0 | M=1.12 | M=0.8 |
| FDP-1000 | 25 | VIOLET | 1000 | 800 | 2000 | 1400 | 1000 | 1400 | 1000 | 1120 | 800 |
| FDP-2000 | 50 | GREEN | 2000 | 1600 | 4000 | 2800 | 2000 | 2800 | 2000 | 2240 | 1600 |
| FDP-3000 | 75 | YELLOW | 3000 | 2400 | 6000 | 4200 | 3000 | 4200 | 3000 | 3360 | 2400 |
| FDP-4000 | 100 | GREY | 4000 | 3200 | 8000 | 5600 | 4000 | 5600 | 4000 | 4480 | 3200 |
| FDP-5000 | 125 | RED | 5000 | 4000 | 10000 | 7000 | 5000 | 7000 | 5000 | 5600 | 4000 |
| FDP-6000 | 150 | BROWN | 6000 | 4800 | 12000 | 8400 | 6000 | 8400 | 6000 | 6720 | 4800 |
| FDP-8000 | 200 | BLUE | 8000 | 6400 | 16000 | 11200 | 8000 | 11200 | 8000 | 8960 | 6400 |
| FDP-10000 | 250 | ORANGE | 10000 | 8000 | 20000 | 14000 | 10000 | 14000 | 10000 | 11200 | 8000 |
| FDP-12000 | 300 | ORANGE | 12000 | 9600 | 24000 | 16800 | 12000 | 16800 | 12000 | 13440 | 9600 |

# Quadruplex Flat Slings

100% High Tenacity Polyester.
Made of 3 & 4 thickness of Webbing.
Flat & Wide Load Bearing surface.
According to EN 1492-1:2000, AS1353.1 or ASME B 30.9. Safety Factor 8:1, 7:1 and 5:1.
Low Stretch Factor : Elongation 3-7%.
High strength to weight ratio : Weight 80% less than Equivalent Wire or Chain Slings.
Available upto 300 mm width &
24 Ton Capacity.
Colour coded for easy identification.
Maximum working temperature 90°c.
Anti-abrasion sleeves and anti-cutting sleeves protection (optional).

FLAT EYE WEBBING WIDTH

TWISTED EYE WEBBING WIDTH

TWISTED EYE 1/2 WEBBING WIDTH

FOLDED EYE 1/2 WEBBING WIDTH

ONE SIDE FOLDED EYE 1/2 WEBBING WIDTH

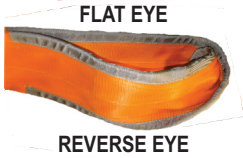
TWO SIDE FOLDED EYE 1/2 WEBBING WIDTH

| | | | QUADRUPLEX WEBBING SLINGS CAPACITY IN KGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WLL kg with one webbing sling | | | | | WLL kg with two webbing sling | | | |
| | | | Straight lift | Choke Hitch | Basket Hitch up to 7° | Basket Hitch 7° - 45° | Basket Hitch 45° - 60° | Straight Inclination 7° - 45° | Straight Inclination 45° - 60° | Choke Inclination 7° - 45° | Choke Inclination 45° - 60° |
| ITEM CODE | WIDTH | COLOUR CODE |  | | | | | | | | |
| MODE FACTOR | | | M=1.0 | M=0.8 | M=2 | M=1.4 | M=1.0 | M=1.4 | M=1.0 | M=1.12 | M=0.8 |
| FQP-2000 | 25 | VIOLET | 2000 | 1600 | 4000 | 2800 | 2000 | 2800 | 2000 | 2240 | 1600 |
| FQP-4000 | 50 | GREEN | 4000 | 3200 | 8000 | 5600 | 4000 | 5600 | 4000 | 4480 | 3200 |
| FQP-6000 | 75 | YELLOW | 6000 | 4800 | 12000 | 8400 | 6000 | 8400 | 6000 | 6720 | 4800 |
| FQP-8000 | 100 | GREY | 8000 | 6400 | 16000 | 11200 | 8000 | 11200 | 8000 | 8960 | 6400 |
| FQP-10000 | 125 | RED | 10000 | 8000 | 20000 | 14000 | 10000 | 14000 | 10000 | 11200 | 8000 |
| FQP-12000 | 150 | BROWN | 12000 | 9600 | 24000 | 16800 | 12000 | 16800 | 12000 | 13440 | 9600 |
| FQP-16000 | 200 | BLUE | 16000 | 12800 | 32000 | 22400 | 16000 | 22400 | 16000 | 17920 | 12800 |
| FQP-20000 | 250 | ORANGE | 20000 | 16000 | 40000 | 28000 | 20000 | 28000 | 20000 | 22400 | 16000 |
| FQP-24000 | 300 | ORANGE | 24000 | 19200 | 48000 | 33600 | 24000 | 33600 | 24000 | 26880 | 19200 |

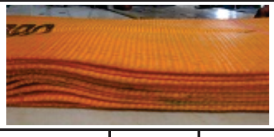
# Multilayer Polyester Slings

100% High Tenacity Polyester
Made of 6-8 ply of Webbing
Flat & Wide Load Bearing surface.
According to EN 1492-1:2000, AS1353.1
or ASME B 30.9
Safety Factor 8:1, 7:1 and 5:1
Low Stretch Factor : Elongation 3-7%
High strength to weight ratio.
Available up to 300 mm width & 110 Ton Capacity.
Colour coded for easy identification.
Maximum working temperature 90°c.

FLAT EYE


REVERSE EYE

FOLDED EYE



| ITEM CODE | WIDTH | COLOUR CODE | FLAT MULTIPLY WEBBING SLINGS CAPACITY IN KGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WLL kg with one Webbing Sling | | | | | WLL kg with two Webbing Sling | | | |
| | | | Straight lift | Choke Hitch | Basket Hitch up to 7° | Basket Hitch 7° - 45° | Basket Hitch 45° - 60° | Straight Inclination 7° - 45° | Straight Inclination 45° - 60° | Choke Inclination 7° - 45° | Choke Inclination 45° - 60° |
| MODE FACTOR | | | M=1.0 | M=0.8 | M=2 | M=1.4 | M=1.0 | M=1.4 | M=1.0 | M=1.12 | M=0.8 |
| FMP-36 | 300 | ORANGE | 36000 | 28800 | 72000 | 50400 | 36000 | 50400 | 36000 | 40320 | 28800 |
| FMP-48 | 300 | ORANGE | 48000 | 38400 | 96000 | 67200 | 48000 | 67200 | 48000 | 53760 | 38400 |
| FMP-50 | 300 | ORANGE | 50000 | 40000 | 100000 | 70000 | 50000 | 70000 | 50000 | 56000 | 40000 |
| FMP-60 | 300 | ORANGE | 60000 | 48000 | 120000 | 84000 | 60000 | 84000 | 60000 | 67200 | 48000 |
| FMP-72 | 300 | ORANGE | 72000 | 57600 | 144000 | 100800 | 72000 | 100800 | 72000 | 80640 | 57600 |
| FMP-84 | 300 | ORANGE | 84000 | 67200 | 168000 | 117600 | 84000 | 117600 | 84000 | 94080 | 67200 |
| FMP-100 | 300 | ORANGE | 100000 | 80000 | 200000 | 140000 | 100000 | 140000 | 100000 | 112000 | 80000 |
| FMP-110 | 300 | ORANGE | 110000 | 88000 | 220000 | 154000 | 110000 | 154000 | 110000 | 123200 | 88000 |

# Flat Endless Slings

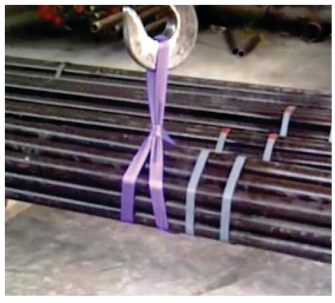
Endless Flat Slings are the most versatile of the entire web sling configuration. Endless Web slings can be used in all 3 types of hitches and perfectly suited for use with traverses in lifting or choking use. The wear points can be adjusted around the circumference of the sling to increase sling life. Compared to eye to eye slings, endless web slings are much simpler to sew and thus are highly economical lifting devices.

**FEATURES**

100% High Tenacity Polyester.
Made of Double thickness of Webbing.
Flat & Wide Load Bearing surface.
According to EN 1492-1-2000, AS1353.1 or
ASME B 30.9, Safety Factor 8:1, 7:1 and 5:1
Low Stretch Factor : Elongation 3-7%
High strength to weight ratio.
Available upto 300 mm width & 24 Ton Capacity.
Colour coded for easy identification.
Maximum working temperature 90°c.

**ADVANTAGES**

- Easy handling in choking use.
- Loads are always carried by two strands.
- Higher load capacity compare to web slings of equal width.
- Highly cost efficient.
- Ideal for Pre-sling techniques.
- Available in simplex or duplex configuration.
- Best uses in lifting pipe bundles and in exports .



| | | | FLAT ENDLESS SINGLE PLY SLINGS CAPACITY IN KGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WLL kg with one Endless Sling | | | | | WLL kg with two Endless Sling | | | |
| | | | Straight lift | Choke Hitch | Basket Hitch up to 7° | Basket Hitch 7° - 45° | Basket Hitch 45° - 60° | Straight Inclination 7° - 45° | Straight Inclination 45° - 60° | Choke Inclination 7° - 45° | Choke Inclination 45° - 60° |
| ITEM CODE | WIDTH | COLOUR CODE | | | | | | | | | |
| MODE FACTOR | | | M=1.0 | M=0.8 | M=2 | M=1.4 | M=1.0 | M=1.4 | M=1.0 | M=1.12 | M=0.8 |
| FRFS-1 | 25 | VIOLET | 1000 | 800 | 2000 | 1400 | 1000 | 1400 | 1000 | 1120 | 800 |
| FRFS-2 | 50 | GREEN | 2000 | 1600 | 4000 | 2800 | 2000 | 2800 | 2000 | 2240 | 1600 |
| FRFS-3 | 75 | YELLOW | 3000 | 2400 | 6000 | 4200 | 3000 | 4200 | 3000 | 3360 | 2400 |
| FRFS-4 | 100 | GREY | 4000 | 3200 | 8000 | 5600 | 4000 | 5600 | 4000 | 4480 | 3200 |
| FRFS-5 | 125 | RED | 5000 | 4000 | 10000 | 7000 | 5000 | 7000 | 5000 | 5600 | 4000 |
| FRFS-6 | 150 | BROWN | 6000 | 4800 | 12000 | 8400 | 6000 | 8400 | 6000 | 6720 | 4800 |
| FRFS-8 | 200 | BLUE | 8000 | 6400 | 16000 | 11200 | 8000 | 11200 | 8000 | 8960 | 6400 |
| FRFS-10 | 250 | ORANGE | 10000 | 8000 | 20000 | 14000 | 10000 | 14000 | 10000 | 11200 | 8000 |
| FRFS-12 | 300 | ORANGE | 12000 | 9600 | 24000 | 16800 | 12000 | 16800 | 12000 | 13440 | 9600 |

| | | | FLAT ENDLESS DOUBLE PLY SLINGS CAPACITY IN KGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WLL kg with one Endless Sling | | | | | WLL kg with two Endless Sling | | | |
| | | | Straight lift | Choke Hitch | Basket Hitch up to 7° | Basket Hitch 7° - 45° | Basket Hitch 45° - 60° | Straight Inclination 7° - 45° | Straight Inclination 45° - 60° | Choke Inclination 7° - 45° | Choke Inclination 45° - 60° |
| ITEM CODE | WIDTH | COLOUR CODE | | | | | | | | | |
| MODE FACTOR | | | M=1.0 | M=0.8 | M=2 | M=1.4 | M=1.0 | M=1.4 | M=1.0 | M=1.12 | M=0.8 |
| FRFD-2 | 25 | VIOLET | 2000 | 1600 | 4000 | 2800 | 2000 | 2800 | 2000 | 2240 | 1600 |
| FRFD-4 | 50 | GREEN | 4000 | 3200 | 8000 | 5600 | 4000 | 5600 | 4000 | 4480 | 3200 |
| FRFD-6 | 75 | YELLOW | 6000 | 4800 | 12000 | 8400 | 6000 | 8400 | 6000 | 6720 | 4800 |
| FRFD-8 | 100 | GREY | 8000 | 6400 | 16000 | 11200 | 8000 | 11200 | 8000 | 8960 | 6400 |
| FRFD-10 | 125 | RED | 10000 | 8000 | 20000 | 14000 | 10000 | 14000 | 10000 | 11200 | 8000 |
| FRFD-12 | 150 | BROWN | 12000 | 9600 | 24000 | 16800 | 12000 | 16800 | 12000 | 13440 | 9600 |
| FRFD-16 | 200 | BLUE | 16000 | 12800 | 32000 | 22400 | 16000 | 22400 | 16000 | 17920 | 12800 |
| FRFD-20 | 250 | ORANGE | 20000 | 16000 | 40000 | 28000 | 20000 | 28000 | 20000 | 22400 | 16000 |
| FRFD-24 | 300 | ORANGE | 24000 | 19200 | 48000 | 33600 | 24000 | 33600 | 24000 | 26880 | 19200 |

FLAT ENDLESS SINGLE PLY SLINGS

FLAT ENDLESS DOUBLE PLY SLINGS

**Aperture angles of more than 20° are not permitted!**

# Endless Round Slings

We manufacture round slings in accordance to EN 1492-2:2000, As4497 and ASME B 30.9 from 100% polyester.
The outer cover is a seamless polyester sleeve of double thickness construction and has an excellent abrasion resistance, soft, supple & light weight, easy to handle. The most flexible sling available conforms to the load extremely well and provides choker hold. Being endless, it wears evenly as load & hook contact points can be continually rotated to extend sling life. Load bearing fibres never come in contact with the load. Seamless cover, no edge to wear out. Cover abrasion will not reduce the capacity.
Adapts to all sizes, types and load configurations. Lightweight, easy to rig, store & clean. Colour coded for easy identification. Available upto 180mm width and 50 Tons capacity. (insert before the line " available in safety factor….)
Available in safety factor 7:1 and 5:1 Free overload tail indicator yarn and optical fibre.

| | | | ROUND ENDLESS SLINGS CAPACITY IN KGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WLL kg with one Round Endless Sling | | | | | WLL kg with two Round Endless Sling | | | |
| | | | Straight lift | Choke Hitch | Basket Hitch up to 7° | Basket Hitch 7° - 45° | Basket Hitch 45° - 60° | Straight Inclination 7° - 45° | Straight Inclination 45° - 60° | Choke Inclination 7° - 45° | Choke Inclination 45° - 60° |
| ITEM CODE | APPROX. DIA | COLOUR CODE | | | | | | | | | |
| MODE FACTOR | | | M=1.0 | M=0.8 | M=2 | M=1.4 | M=1.0 | M=1.4 | M=1.0 | M=1.12 | M=0.8 |
| FRE-1 | 18 | VIOLET | 1000 | 800 | 2000 | 1400 | 1000 | 1400 | 1000 | 1120 | 800 |
| FRE-2 | 20 | GREEN | 2000 | 1600 | 4000 | 2800 | 2000 | 2800 | 2000 | 2240 | 1600 |
| FRE-3 | 22 | YELLOW | 3000 | 2400 | 6000 | 4200 | 3000 | 4200 | 3000 | 3360 | 2400 |
| FRE-4 | 25 | GREY | 4000 | 3200 | 8000 | 5600 | 4000 | 5600 | 4000 | 4480 | 3200 |
| FRE-5 | 28 | RED | 5000 | 4000 | 10000 | 7000 | 5000 | 7000 | 5000 | 5600 | 4000 |
| FRE-6 | 32 | BROWN | 6000 | 4800 | 12000 | 8400 | 6000 | 8400 | 6000 | 6720 | 4800 |
| FRE-8 | 38 | BLUE | 8000 | 6400 | 16000 | 11200 | 8000 | 11200 | 8000 | 8960 | 6400 |
| FRE-10 | 46 | ORANGE | 10000 | 8000 | 20000 | 14000 | 10000 | 14000 | 10000 | 11200 | 8000 |
| FRE-12 | 58 | ORANGE | 12000 | 9600 | 24000 | 16800 | 12000 | 16800 | 12000 | 13440 | 9600 |
| FRE-15 | 70 | ORANGE | 15000 | 12000 | 30000 | 21000 | 15000 | 21000 | 15000 | 16800 | 12000 |
| FRE-20 | 78 | ORANGE | 20000 | 16000 | 40000 | 28000 | 20000 | 28000 | 20000 | 22400 | 16000 |
| FRE-25 | 90 | ORANGE | 25000 | 20000 | 50000 | 35000 | 25000 | 35000 | 25000 | 28000 | 20000 |
| FRE-30 | 100 | ORANGE | 30000 | 24000 | 60000 | 42000 | 30000 | 42000 | 30000 | 33600 | 24000 |
| FRE-36 | 115 | ORANGE | 36000 | 28800 | 72000 | 50400 | 36000 | 50400 | 36000 | 40320 | 28800 |
| FRE-50 | 180 | ORANGE | 50000 | 40000 | 100000 | 70000 | 50000 | 70000 | 50000 | 56000 | 40000 |
| FRE-75 | 200 | ORANGE | 75000 | 60000 | 150000 | 105000 | 75000 | 105000 | 75000 | 84000 | 60000 |
| FRE-100 | 250 | ORANGE | 100000 | 80000 | 200000 | 140000 | 100000 | 140000 | 100000 | 112000 | 80000 |

# Eye & Eye Round Slings

Soft, Supple & light weight, easy to use.
Super flexible, conforms to shape of load, flattered and lift the load securely.
Works well for confined spaces.
All advantages of Flat Web slings & Round slings.
Extra Sleeves can be added to body easily.
Adapts to all sizes, types and load configurations.
Light weight and pliable for easy lifting and storage.
Color coded for easy identification.
Available in safety factor 7:1 and 5:1
Free overload tail indicator yarn and optical fiber.

| ITEM CODE | APPROX. DIA | COLOUR CODE | EYE TO EYE ROUND SLINGS CAPACITY IN KGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | WLL kg with one Round Sling | | | | | WLL kg with two Round Sling | | | |
| | | | Straight lift | Choke Hitch | Basket Hitch up to 7° | Basket Hitch 7° - 45° | Basket Hitch 45° - 60° | Straight Inclination 7° - 45° | Straight Inclination 45° - 60° | Choke Inclination 7° - 45° | Choke Inclination 45° - 60° |
| | | | | | | | | | | | |
| MODE FACTOR | | | M=1.0 | M=0.8 | M=2 | M=1.4 | M=1.0 | M=1.4 | M=1.0 | M=1.12 | M=0.8 |
| FREE-1 | 36 | VIOLET | 1000 | 800 | 2000 | 1400 | 1000 | 1400 | 1000 | 1120 | 800 |
| FREE-2 | 40 | GREEN | 2000 | 1600 | 4000 | 2800 | 2000 | 2800 | 2000 | 2240 | 1600 |
| FREE-3 | 44 | YELLOW | 3000 | 2400 | 6000 | 4200 | 3000 | 4200 | 3000 | 3360 | 2400 |
| FREE-4 | 50 | GREY | 4000 | 3200 | 8000 | 5600 | 4000 | 5600 | 4000 | 4480 | 3200 |
| FREE-5 | 56 | RED | 5000 | 4000 | 10000 | 7000 | 5000 | 7000 | 5000 | 5600 | 4000 |
| FREE-6 | 64 | BROWN | 6000 | 4800 | 12000 | 8400 | 6000 | 8400 | 6000 | 6720 | 4800 |
| FREE-8 | 76 | BLUE | 8000 | 6400 | 16000 | 11200 | 8000 | 11200 | 8000 | 8960 | 6400 |
| FREE-10 | 92 | ORANGE | 10000 | 8000 | 20000 | 14000 | 10000 | 14000 | 10000 | 11200 | 8000 |
| FREE-12 | 116 | ORANGE | 12000 | 9600 | 24000 | 16800 | 12000 | 16800 | 12000 | 13440 | 9600 |
| FREE-15 | 140 | ORANGE | 15000 | 12000 | 30000 | 21000 | 15000 | 21000 | 15000 | 16800 | 12000 |
| FREE-20 | 156 | ORANGE | 20000 | 16000 | 40000 | 28000 | 20000 | 28000 | 20000 | 22400 | 16000 |
| FREE-25 | 180 | ORANGE | 25000 | 20000 | 50000 | 35000 | 25000 | 35000 | 25000 | 28000 | 20000 |
| FREE-30 | 200 | ORANGE | 30000 | 24000 | 60000 | 42000 | 30000 | 42000 | 30000 | 33600 | 24000 |
| FREE-36 | 230 | ORANGE | 36000 | 28800 | 72000 | 50400 | 36000 | 50400 | 36000 | 40320 | 28800 |
| LREE-50 | 360 | ORANGE | 50000 | 40000 | 100000 | 70000 | 50000 | 70000 | 50000 | 56000 | 40000 |
| FREE-75 | 400 | ORANGE | 75000 | 60000 | 150000 | 105000 | 75000 | 105000 | 75000 | 84000 | 60000 |
| FREE-100 | 500 | ORANGE | 100000 | 80000 | 200000 | 140000 | 100000 | 140000 | 100000 | 112000 | 80000 |

To protect the round slings from cut while using on sharp edges Anti-Abrasive and Anti-cut sleeves must be used.
There are basically 2 types of sleeves available for round slings

1. Movable type sleeves- slide freely on sling but cannot be removed
2. Quick Sleeve – Slide freely on sling and removable have Velcro

All these slings are available in different types of material i.e. Polyester, Kevlar, High Molecular Polyethylene (HMPE), Polyester with PU impregnated, Polyurethane blended Polymer and Polyurethane.

(See Sling Protection)

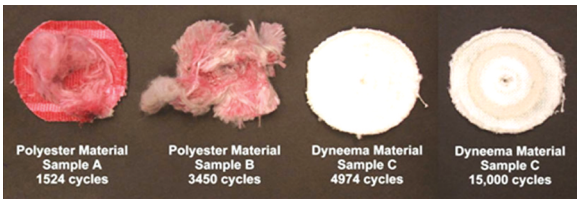
# Extreme Round Slings

FERRETERRO manufactures the Extreme Round Slings with UHMPE fibre manufactured by DSM Dyneema ® .
Dyneema®, World's strongest yarn is enclosed in double covers, inner being polyester and outer being heavy duty abrasion resistance polyurethane impregnated cover, which acts as anti abrasive sleeves also. The sling is fitted with optic fibre overload tell Tail indicating tail for overloading at any point of time and optic fibre for detection of any cover damage through the process of reflection.
Available in a capacity of 36 Tons to 500 Tons. Ferreterro also manufactures Cut protection systems for extreme slings upto 500 tons capacity.

| | | EXTREME ROUND ENDLESS SLINGS CAPACITY IN KGS | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | WLL kg with one Round Endless Sling | | | | | WLL kg with two Round Endless Sling | | | |
| | | Straight lift | Choke Hitch | Basket Hitch up to 7° | Basket Hitch 7° - 45° | Basket Hitch 45° - 60° | Straight Inclination 7° - 45° | Straight Inclination 45° - 60° | Choke Inclination 7° - 45° | Choke Inclination 45° - 60° |
| ITEM CODE | COLOUR CODE | | | | | | | | | |
| MODE FACTOR | | M=1.0 | M=0.8 | M=2 | M=1.4 | M=1.0 | M=1.4 | M=1.0 | M=1.12 | M=0.8 |
| FREX-36 | ORANGE | 36000 | 28800 | 72000 | 50400 | 36000 | 50400 | 36000 | 40320 | 28800 |
| FREX-40 | ORANGE | 40000 | 32000 | 80000 | 56000 | 40000 | 56000 | 40000 | 44800 | 32000 |
| FREX-48 | ORANGE | 48000 | 38400 | 96000 | 67200 | 48000 | 67200 | 48000 | 53760 | 38400 |
| FREX-50 | ORANGE | 50000 | 40000 | 100000 | 70000 | 50000 | 70000 | 50000 | 56000 | 40000 |
| FREX-70 | ORANGE | 70000 | 56000 | 140000 | 98000 | 70000 | 98000 | 70000 | 78400 | 56000 |
| FREX-75 | ORANGE | 75000 | 60000 | 150000 | 105000 | 75000 | 105000 | 75000 | 84000 | 60000 |
| FREX-80 | ORANGE | 80000 | 64000 | 160000 | 112000 | 80000 | 112000 | 80000 | 89600 | 64000 |
| FREX-100 | ORANGE | 100000 | 80000 | 200000 | 140000 | 100000 | 140000 | 100000 | 112000 | 80000 |
| FREX-125 | ORANGE | 125000 | 100000 | 250000 | 175000 | 125000 | 175000 | 125000 | 140000 | 100000 |
| FREX-150 | ORANGE | 150000 | 120000 | 300000 | 210000 | 150000 | 210000 | 150000 | 168000 | 120000 |
| FREX-200 | ORANGE | 200000 | 160000 | 400000 | 280000 | 200000 | 280000 | 200000 | 224000 | 160000 |
| FREX-250 | ORANGE | 250000 | 200000 | 500000 | 350000 | 250000 | 350000 | 250000 | 280000 | 200000 |
| FREX-300 | ORANGE | 300000 | 240000 | 600000 | 420000 | 300000 | 420000 | 300000 | 336000 | 240000 |
| Up to 500 Tons details on request | | | | | | | | | | |

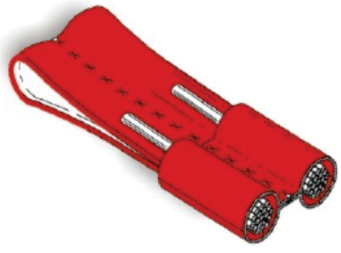
# Properties of Dyneema

Dyneema, World Strongest Yarn, is approximately 20% of the weight of polyester and approximately 5% of the weight of the wire rope of its equivalent tonnage. Its elongation is 1% of rated capacity also equivalent to steel and elongation of 3% at break also and ideal for all applications where low elasticity is required.



| | NYLON | POLYESTER | ARAMID | DYNEEMA |
|---|---|---|---|---|
| **STRENGTH in GPD (GRAMS PER DENIER)** | 8.0-9.0 G | 6.5-9.0 G | 23 | 42 |
| **SPECIFIC GRAVITY** | 1.14 | 1.38 | 1.44 | 0.97 |
| **ELASTICITY** | 16% | 10 - 12% | 3.60% | 3.60% |
| **MOISTURE ABSORBENCY** | 9% of Weight | 1% of Weight | 5% of Weight | None |
| **MELTING POINT** | 460°F | 480°F | 800°F | 297°F |
| **CO-EFFICIENT OF FRICTION** | .10 to .12 | .12 to .15 | .10 to .12 | 0.04 |
| **ABILITY TO FLOAT** | SINKS | SINKS | SINKS | FLOATS |

# Twin Round Slings



FERRETERRO Twin slings are available in Polyester/HMPE fibers made by DSM Dyneema® BV.

**BACKUP PROTECTION -** Twin slings are actually two complete and separate slings in one. Each path makes its own separate connection between the hook and the load and account for 50% of the total slings work load. The design we manufacture is non patented and is cost effective than other sling makers.

**DOUBLE CORE (ON REQUEST) -** The twin sling design provides the sling user with an early warning and inspection system. Also available in double core for extra abrasion resistance and long life. The load carrying yarn never comes in contact with the load. When the protection outer cover is damaged, the inner cover provides extra protective sleeve for usage.

**ELONGATION STRING (FREE) -** We provide all our round slings, and TWIN slings with Elongation string to know whether the sling has elongated. When the string disappears sling should be discarded.

**FIBER-OPTIC INSPECTION (FREE) -** Fiber optic inspection cables assist the sling user and inspector to evaluate the condition of the load carrying yarns. The condition of internal load carrying yarn can be inspected by checking the conductivity of the fiber optic cable. If the load carrying yarn have suffered chemical, heat or crushing damage, the fiber optic will lose its ability to transmit light from one end to the other, giving the inspector a reason to remove the sling from service and return it for repair evaluation.

# Polyester Multileg Slings

Multi Leg Polyester slings are made either by using Flat Webbing Slings Straps or Endless type round slings as per specific requirements depending upon uses and safe working loads. A set of multi leg slings includes Master link, Auxiliary links and different end fittings like Eye hooks, Swivel hooks, D-Shackles or Bow- Shackles, Rings as required. All these fittings are made of quenched and tempered alloy steel grade-80 material. Flat slings are stitched directly to the metal ring while Endless round slings are attached with connecting links. Anti-abrasive and Anti-cutting protection sleeves can be fitted as per specific requirements.

## FEATURES

- SELECTION OF FLAT WEBBING OR ROUND SLINGS
- CHOICE OF 2 LEG, 3 LEG AND 4 LEG TYPES
- AVAILABLE IN CUSTOMISED LENGTHS
- HIGH STRENGTH TO WEIGHT RATIO
- COLOUR CODED FOR IDENTIFICATION
- DIFFERENT END FITTINGS AVAILABLE
- END FITTING METAL COMPONENTS FORGED ALLOY STEEL
- ANTI-ABRASION SLEEVES AND ANTI CUTTING SLEEVES PROTECTION

Conforms EN-1492-1, En-1492-2 and ASME B30.9

**ADVANTAGE**

- Better load control and balance. Bridle slings give fixed lifting points and choice of multiple legs.
- Hardwares avoid wearing & cuts of slings at load bearing points.

| MULTILEG SLING CAPACITY AT 90° | | |
|---|---|---|
| SWL | SWL | SWL |
| 2 LEG SLING | 3 LEG SLING | 4 LEG SLING |
| TON | TON | TON |
| 1.4 | 2.1 | 2.8 |
| 2.8 | 4.2 | 5.6 |
| 4.2 | 6.3 | 8.4 |
| 5.6 | 8.4 | 11.2 |
| 7.0 | 10.5 | 14.0 |
| 8.4 | 12.6 | 16.8 |
| 11.2 | 16.8 | 22.4 |
| 14.0 | 21.0 | 28.0 |
| 16.8 | 25.2 | 33.6 |

# Ferreterro Black Belt Slings

## HIGH STRENGTH, LOW WEIGHT, HEAVY LIFT

EVER SEEN BLACK BELT COME WHITE IN COLOR!
The top most degree of perfection BLACK BELT has been introduced in lifting slings!
These slings work in hostile environment, extremely cut resistant and amazingly light weight. Abrasion is no problem and are stronger than steel.
Available in HMPE fibers made by DSM Dyneema® BV

We manufacture round endless slings by using HMPE yarn in higher capacity upto 500 Ton. These slings have top most degree of perfection. These are suitable for specialised extreme heavy lifting requirements. These slings are available in Round Endless, Eye and Eye type and TWO PATH Sling type.

**LIGHTNESS**
These slings are very light weight yet stronger than polyester and steel wire slings of same capacity. The weight factor of these slings is approx. 2.4 in comparison to polyester and 8-9 in comparison to steel.

**STRENGTH**
Due to their super-strength, very light weight and abrasion resistance, they are widely used to lift heavy objects, steel coils etc.

**CUT RESISTANT**
These slings are very good abrasion and cut resistant. Ferreterro brand slings made of HMPE yarn floats on water and are extremely durable and resistant to moisture, ultraviolet sunlight and chemicals.

# Rotomaxx Slings

Now all your turning devices for turning automobiles, chassis, Marble Blocks, Machines, Moulds infact, rather anything can be secured on our range of Ferreterro ROTOMAXX slings. These are heavy duty slings impregnated with Polyurethane and plasticized coating to grip the load and are almost Anti-cut. These silngs can be made up to 30 ton load turning.

**QUALITIES OF ROTOMAXX SLINGS**

1. Damage free rotation, cost effective.
2. Enhance safety due to jerk-free smooth rotation
3. Increased work efficiency.
4. Available up to 30 ton load rotating capacity
5. Available both single side and both side coating
6. Coating thickness can be customised

Rotomaxx are the special belts of universal sizes which fit all machines like Vetter, Load Turner, Pal Turner, Posi Turn, wimag, EZ Turn or rather fit on to every machine.

These belts are made in-house on special state of art equipment to give maximum life to the product. The structure is controlled so that the load remains perfectly horizontal to the load turning device. Corner protector, sleeves and coatings together provide abrasive resistance.

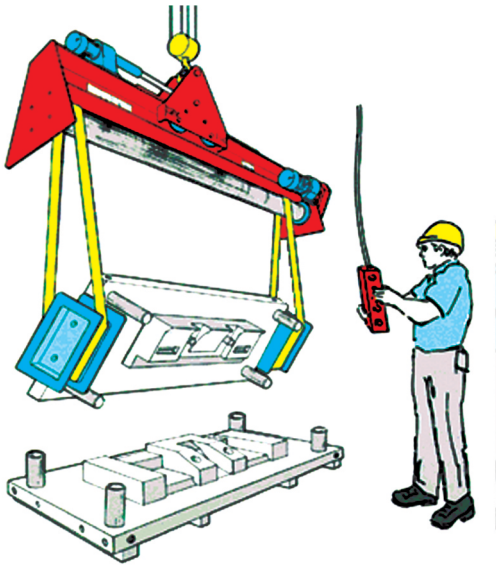
**Instruction for usages of ROTOMAXX slings**

Although the ROTOMAXX slings are extremely heavy duty with cut resistant coating there are a few precautions to be taken as under:

- Sharp edges of load should be covered with protection sleeves.
- The padding of sharp edges is a good job and recommended for longer life of slings.
- The end fitting grab should be free of burrs or abrasive surface so that the sling eye remains intact.
- The padding should be regularly checked to prevent slippage.
- Regular safety instructions should be followed while lifting.
- Check the slings before each lifting for any misuse of lifting safety threat.
- Check for manufacturer certificate, Conformity to standards certificate prior to use.

# Rotomaxx Slings

ORIGINAL EQUIPMENT MANUFACTURERS



PU impregnated belt

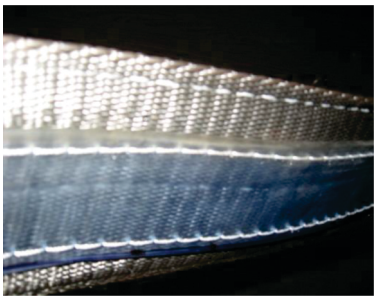
Single side coated

Double Side Coated

# Marshall Slings

**FOR EXTREME USAGE - EXTREME INNOVATION AT THE LOWEST COST**

FERRETERRO CRANELOVER® SERIES + DYNAFLEXX® (Patent Applied) = **MARSHALL**



The newly innovated MARSHALL slings are the best slings to use with sharp edged loads. MARSHALL slings have Dynaflexx protection sleeves fixed with heavy duty polyester slings. Dynaflexx are the most unique protection sleeves engineered in a manner that they provide advantages of both Anti-cut and Anti-abrasive properties. MARSHALL slings have proven their superb efficiency and longer service life at extreme usage.

MARSHALL slings are most economic slings due to their longer service life and comparatively low cost than any other Anti-cut protection available.

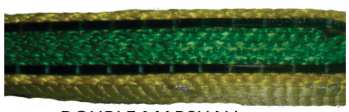
**FEATURES**

- Made of high tenacity polyester webbing.
- Equipped with Dynaflexx Protection sleeves.
- Single or double side Dynaflexx type.
- Available in capacity up to 50 Ton.
- Safety factor 7:1 & 5:1
- Confirms to EN 1492-1:2000 & ASME B 30.9

**ADVANTAGE**

- Extreme cut protection & abrasive resistance.
- Heavy duty slings, ideal for steel industry.
- Low cost, high efficiency.
- Light weight, easy to handle.
- All properties of Anti-cut & Anti Abrasive in-built.
- Longer service life due to Dynaflexx.
- Marking to indentify side of use in single Marshall.
- Marking available in English & Regional languages.
- Gives approx. 7-8 time life than ordinary slings.
- Customised for specific requirements.

SINGLE MARSHALL



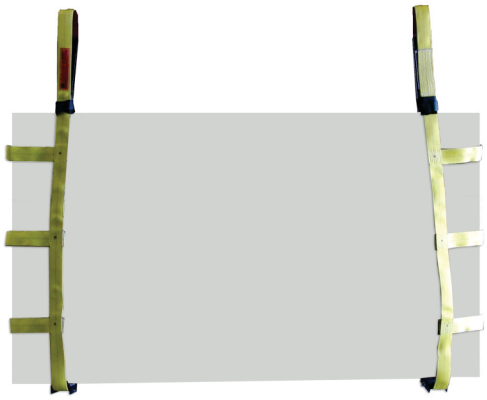
DOUBLE MARSHALL

MULTI-PLY MARSHALL

MULTI-PLY MARSHALL

# Glass Lifting Slings

We supply customized Glass handling systems to handle up to 15 Ton of float glass sheet stacks/bundles. Glass handling systems consist of special sleeves which can be detachable and are cut resistant. We also supply systems to bundle the glass sheets which can be repetitively used instead of steel strapping.

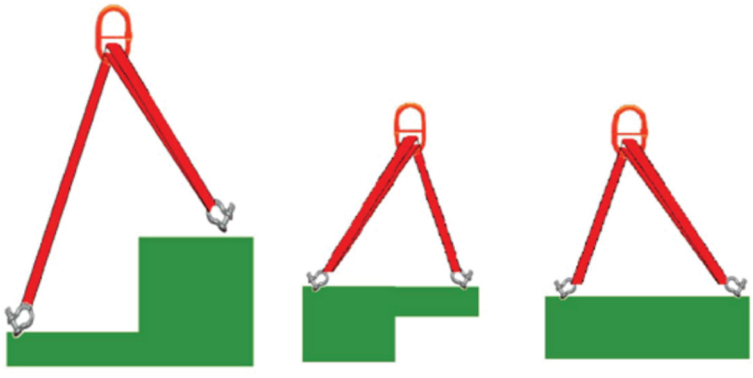


**FEATURES**

- Safely handle large cases of glass.
- Load capacity up to 15 ton
- Abrasive sleeves on eyes.
- 500 mm long PU Sleeves.
- AA Sleeve PU impregnated at bottom.
- Can be customized as needed

# Adjustable Bridle Slings

Adjustable Bridle Sling self adjust the center of gravity for lifting non uniform loads. When the load is lifted the ring moves over the centre of gravity and level the load. All specifications are as of round slings. The heavy end should have double end.



| CODE | CAPACITY | DIA | BOW-SHACKLE |
|---|---|---|---|
| FAB3 | 3.0 Tons | 16.mm | 3.2 Ton |
| FAB5 | 5.5 Tons | 22 mm | 6.3 Ton |
| FAB10 | 9.1 Tons | 28 mm | 12 Ton |
| FAB20 | 18.2 Tons | 40 mm | 25 Ton |
| FAB30 | 28.0 Tons | 45 mm | 35 Ton |
| FAB45 | 41.0 Tons | 57 mm | 55 Ton |

# Ferreterro Ultra Slings

FERRETERRO ULTRA SLINGS are made of HMPE fibers manufactured by DSM Dyneema BV. It is a super strong High Modulus Polyethylene (HMPE) fiber and give maximum strength but is light weight. It is 8-10 times lighter than comparable steel wire rope slings and almost 40% stronger than Aramid fibers on a weight for weight basis. FERRETERRO ULTRA SLINGS float on water and are extremely durable and resistant to moisture, UV Light and Chemical.
Due to the fact that it is a very light and soft sling, it results in less damage to the steel coil edges and less work related injuries. As a result there will be big reduction in utilization cost. Ferreterro specifically developed round slings for Steel coils handling or other sharp and heavy loads using the fibers from DSM Dyneema. This round sling is made with 100% HMPE Yarn and has an engineered outer cover which is designed with special Anti-cut Weave using fiber from DSM Dyneema. Anti-Cut Sleeves can be zin full length of sling or a movable type for use at sharp corners of load.

HMPE Yarn has an engineered outer cover which is designed with special Anti-cut Weave using fiber from DSM Dyneema. Anti-Cut Sleeves can be in full length of sling or a movable type for use at sharp corners of load.

**FEATURES**

l Very High Strength and Less Weight. l Easy handling, higher efficiency. l If the sleeve is damaged simply it can be changed no need to replace the whole slings. l The sleeve size is small and easy to slide to fit proper place. l Remarkably thin sling offers advantages in situations with lower clearance between two coils. l Elongation approx. 0.5% just similar to steel wire rope slings. l Low elongation of sling ensures precision lifting of coils. l Very long service life due to HMPE outer cover and Sleeves l Sleeves can be movable or Velcro type removable. l Ferreterro Ultra slings are suitable to use in very low temperature can be used at -50° temperature. l Resistant to chemical such as Acids and Alkalis.

**ANTI-CUT SLEEVES**

l Very light weight. l Engineered weave using fibre from DSM.
l Dyneema resulting in extreme resistance to abrasion & cut.
l Protect the strength of the sling thereby resulting in maintenance free long service life.

# Ferretexx Coated Slings

FERRETERRO molded slings have permanent coating of specially formulated Polymer material with very resistant characteristic. It becomes harder and more resistant against cuts when laid around a sharp edge due to compression in its molecular structure by a stressed surface. These slings are ideal for lifting of sharp edge loads like steel coils etc.

**FEATURES**

- Available in medium and strong coating variant
- Polyurethane coating from 2 mm to 25 mm thickness
- Coating thickness can be chosen as required
- Available in one side or both side coating.
- Integrates abrasion protection for long service life, even in rough usages.
- Extremely abrasion resistant sling yet flexibility and more durability than ordinary slings.
- Coating as per requirement, possible upto full length
- Available up to 30 ton capacity.

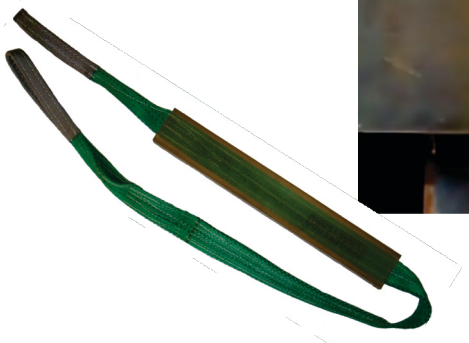
# Coil Lifting with Ferretexx Sleeves

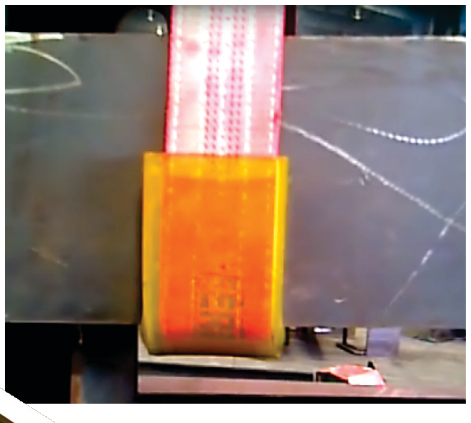
## **FERRETEXX** THE ANTI CUT SLEEVE FOR COIL HANDLING

FERRETEXX is an  Extreme condition sleeve which can lift almost anything. Ultra sharp edges are now the easiest job for synthetic slings. Available for both Round slings and Flat Webbing Slings for load up to 300 Ton. These sleeves stick to the job and are extremely cut resistant to be used for super sharp cut jobs. These are ideal for Steel coils which have very sharp edges, now with FERRETEXX Anti Cut Sleeves coils lifting is very easy job with
Polyester Slings.  It enhances the life of polyester slings. Damage of inner layers of sheets coils can be prevented now by replacing wire rope slings with our Ferreterro Slings fitted with FERRETEXX The ultimate anti cut sleeve.

**FEATURES**

- MADE OF POLYMER
- EXTREME CUT RESISTANT
- WEAR & ABRASION RESISTANT
- SMOOTH GOODS HANDLING
- LIGHT WEIGHT FOR EXCELLENT HANDLING
- OPTIMUM WORK SAFETY
- IDEAL FOR LIFTING OD STEEL COILS
- LONG LIFE NO AGING
- AVAILABLE IN ROUND & FLAT TYPE





When the load is lifted FERRETEXX Sleeve remains in contact of load whereas the sling slides smoothly through it thus, allowing for elongation and free positioning under the load.

# One Way Slings

We supply one way slings for different usage and capacity range. Common application for these one way slings are lifting, positioning and transportation of various items mainly pipes etc for export cargo. These slings are inserted in the pipe bundles/Loads prior to dispatch at the designated load balance points so that no additional slinging is required while loading in the cargo, thus ,saving both time and effort. After the load reaches its destination, it is unloaded by these one way slings. These slings must not & should not be used again , instead they should be disposed off. These one way slings can be designed for a capacity range of a few kilos to 24 tons.

**FEATURES**

Designed for single use- One way and Pre-Sling techniques
Pre-slung as per EN 1492-1 and One Way slings as per ASME B30.9 & DIN 60005
Low cost with simple design
Stronger and more compact then synthetic rope slings or other alternates.
Easy to use and can be pre-inserted in the bundles of pipe.
Save the time as well as cost on-site slinging & re-slinging loads.

| | | | ONE WAY SLINGS CAPACITY IN KGS | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | WLL kg with one Endless Sling | | WLL kg with two Endless Sling | | | |
| | | | Straight lift | Choke Hitch | Straight Inclination 7° - 45° | Straight Inclination 45° - 60° | Choke Inclination 7° - 45° | Choke Inclination 45° - 60° |
| ITEM CODE | WIDTH | COLOUR CODE | | | | | | |
| MODE FACTOR | | | M=1.0 | M=0.8 | M=1.4 | M=1.0 | M=1.12 | M=0.8 |
| 1W-1 | 25 | VIOLET | 1000 | 800 | 1400 | 1000 | 1120 | 800 |
| 1W-2 | 50 | GREEN | 2000 | 1600 | 2800 | 2000 | 2240 | 1600 |
| 1W-3 | 75 | YELLOW | 3000 | 2400 | 4200 | 3000 | 3360 | 2400 |
| 1W-4 | 100 | GREY | 4000 | 3200 | 5600 | 4000 | 4480 | 3200 |
| 1W-5 | 125 | RED | 5000 | 4000 | 7000 | 5000 | 5600 | 4000 |
| 1W-6 | 150 | BROWN | 6000 | 4800 | 8400 | 6000 | 6720 | 4800 |
| 1W-8 | 200 | BLUE | 8000 | 6400 | 11200 | 8000 | 8960 | 6400 |
| 1W-10 | 250 | ORANGE | 10000 | 8000 | 14000 | 10000 | 11200 | 8000 |
| 1W-12 | 300 | ORANGE | 12000 | 9600 | 16800 | 12000 | 13440 | 8000 |

Pre-Slung lifting slings are used for the transportation of goods which have been slung in advance (pre-slung), it means that endless web slings remain slung permanently around the load during whole transportation
One way slings should not be confused with Pre-Slung Slings which are used for a longer transportation period and can be used on same transportation route more than one. These have safety Factor 7:1 as per EN-1492-1

# Bag Slings/Sling Mats

**BAG SLINGS/SLING MAT Pipeline hebebander**

An economical solution for lowering pipeline where the weight and repetition is low. These belts are wide up to 36" and can be made up to 100 Tons capacity of any length required. These belts are strongly bonded and strengthened for lifting. These slings can be polyurethane impregnated or vinyl coated for extra strength and abrasive resistance.

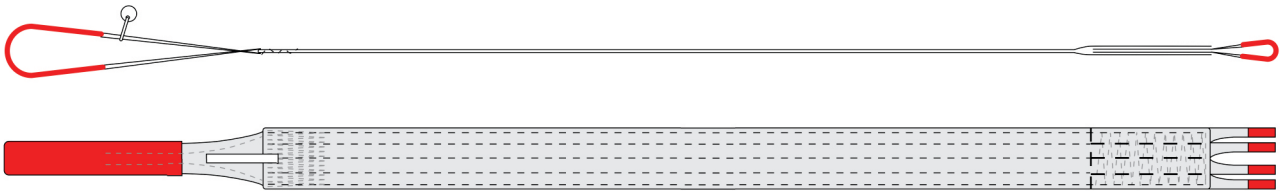
**ADVANTAGE**

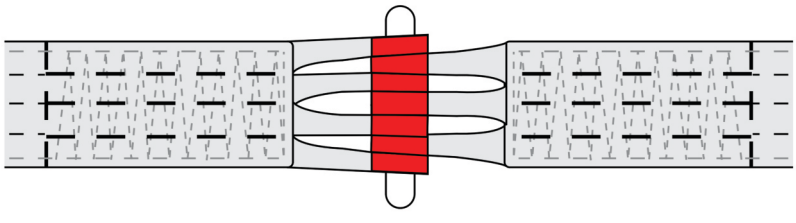
Higher load carrying capacity than web slings, with a wider contact area. These sling bags offer the best support for sensitive loads like Cylinders etc. Available in standard width up to 900 mm

| CODE | WLL Single | WLL Double | MAT Width |
|---|---|---|---|
| FSB2 | 2000 | 4000 | 200 |
| FSB3 | 3000 | 6000 | 200 |
| FSB4 | 4000 | 8000 | 300 |
| FSB5 | 5000 | 10000 | 300 |
| FSB6 | 6000 | 12000 | 400 |
| FSB8 | 8000 | 16000 | 400 |
| FSB10 | 10000 | 20000 | 500 |
| FSB12 | 12000 | 24000 | 600 |
| FSB15 | 15000 | 30000 | 600 |
| FSB20 | 20000 | 40000 | 750 |
| FSB25 | 25000 | 50000 | 750 |
| FSB30 | 30000 | 60000 | 900 |
| FSB40 | 60000 | 80000 | 900 |

# Boat Slings

4 finger joint configuration





Connected finger joint configuration

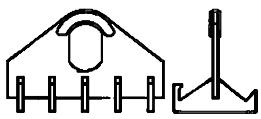
We Manufacture Boat Slings to be used with Fixed as well as Travel Lift Cranes. Wide bodied upto 600 mm and in special cases 800 mm wide slings are manufactured for SWL 48 ton in basket mode in 2 ply construction. Chine Pads and protection pads are available for protection from keels and connecting pins.
We also do have ferretexx coated sleeves to increase life of slings.
4 Finger and 3 finger construction available.

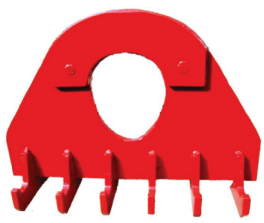
# Pipe Line Lifters

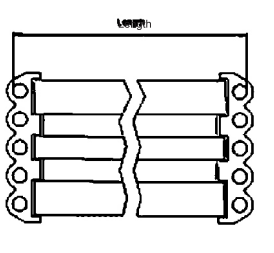
FERRETERRO pipe line lifter lowering belts are ideal device for laying of pipe lines whenever high load carrying capacity is required with great supporting area. They are made of polyester lifting mats with two sewn-in eye traverses each and a corresponding traverse

1. Heavy duty PES webbing for durability & strength
2. Alloy steel end irons for greater strength with less weight
3. Web coated with heavy duty PU coating
4. Blue vinyl tag with clear protective cover to protect data
5. End irons painted/Epoxy coated.
6. Custom belts available for pipe diameter not listed.
7. Belts used around the world, in all types of climates, in sizes up to 60” diameter pipe.
8. Lowering-in belt and head iron sold separately.

| PART | Maximum Pipe Diameter | | Belt Width | Belt Length | | Belt Weight | Working Capacity |
|---|---|---|---|---|---|---|---|
| | Inch | MM | Inch | Ft-Inch | Meter | Kg | Kg |
| FPL-0512 | 12 | 305 | 12 | 4’ 9” | 1.45 | 12.7 | 21700 |
| FPL-0518 | 18 | 457 | 18 | 7’ 0” | 2.13 | 20.5 | 33100 |
| FPL-0520 | 20 | 508 | 18 | 7’ 6” | 2.29 | 22.7 | 33100 |
| FPL-0524 | 24 | 610 | 24 | 8’ 6” | 2.59 | 29.5 | 44000 |
| FPL-0530 | 30 | 762 | 30 | 10’ 0” | 3.05 | 40.9 | 55300 |
| FPL-0536 | 36 | 914 | 36 | 11’ 6” | 3.51 | 54.5 | 66200 |
| FPL-0542 | 42 | 1067 | 36 | 13’ 6” | 4.11 | 61.4 | 66200 |
| FPL-0548 | 48 | 1219 | 36 | 15’ 0” | 4.57 | 70.5 | 66200 |
| FPL-0552 | 42 | 1067 | 42 | 13’ 6” | 4.11 | 68.2 | 77500 |
| FPL-0552A | 48 | 1219 | 42 | 15’ 0” | 4.57 | 77.3 | 77500 |
| FPL-0554 | 48 | 1219 | 48 | 15’ 0” | 4.57 | 86.4 | 88400 |
| FPL-0556 | 56 | 1422 | 48 | 17’ 0” | 5.18 | 93.2 | 88400 |
| FPL-0556A | 56 | 1422 | 56 | 17’ 0” | 5.18 | 104.5 | 103400 |
| FPL-0560 | 60 | 1524 | 56 | 18’ 0” | 5.49 | 118.2 | 103400 |







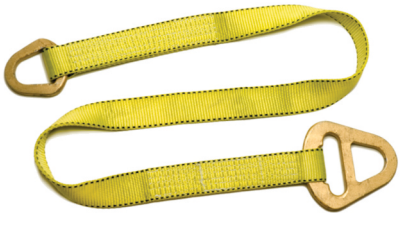
# Reeving Slings

Our product range include Reeving Choker Slings with alloy steel hardened fittings. All hardware are made in-house. These slings are ideal for choker lift.

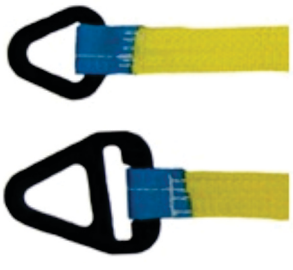
These slings available in two types; Choker Fitting Type & Basket Fitting Type.

**Choker Fitting type**

These slings are made with a triangle fitting on one end and a slotted triangle choker fitting at other end. This type of arrangement provides very efficient and effective method of choker lift. These slings can also be used in Vertical hitch and Basket hitch.



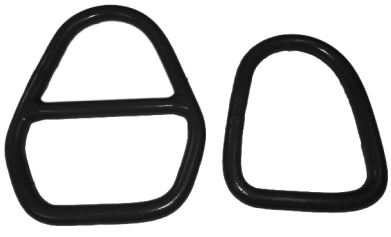
Available up to 30 ton capacity
Alloy steel end fittings
3-7% Elongation with Polyester
Available in Safety Factor 7:1 & 5:1
Confirms EN 1492-1 and ASME B 30.9

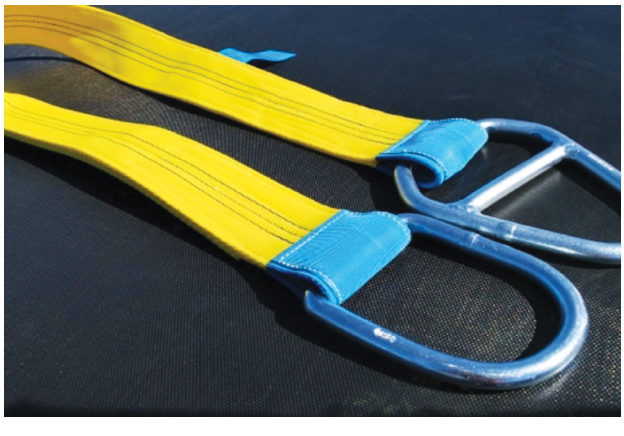


**Basket Fitting type**

These slings are made with a triangle fitting at both ends. This sling can be used in Vertical or Basket hitch but cannot be used in Choker hitch.

Available up to 30 ton capacity
Alloy steel end fittings
3-7% elongation with Polyester
Available in Safety Factor 7:1 & 5:1
Conforms EN-1492-1 & ASME B 30.





# Anti-Static Slings

The normal polyester slings are non-conductive against electricity. Our Anti-static slings are actually Static transferor where delicate electronic equipment can be lifted and static electricity can prove hazard. These patented slings are manufactured with zero resistance electric current transferor woven in straps. These slings are ideal for lifting of:

Rotors, Missiles

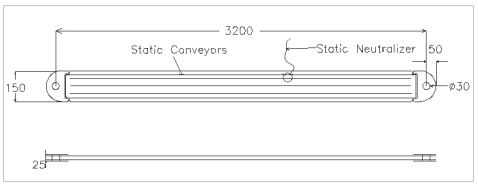
Nuclear Warheads

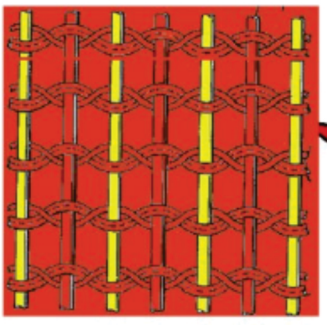
Atomic Waste

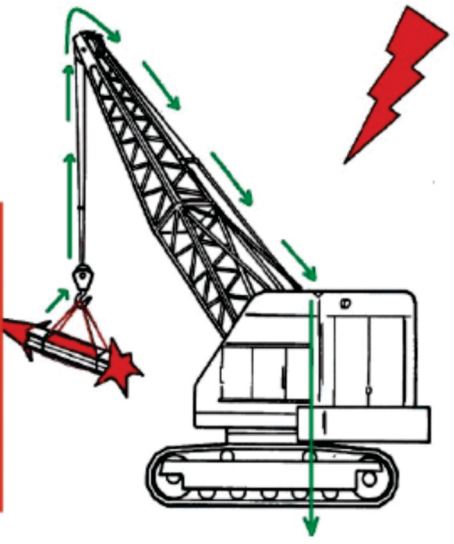
Nuclear Waste

Explosives

Electronic devices





**FEATURES**

1. Our Anti-static sling has zero resistance wires on the webbing which transfer any static current.
2. We have them strategically placed so that the lifted product always remains earthed. (About 6 wires protruded fully running through the length of belt)
3. The end fitting is in contact with wires running through the same to transfer static to hook.
4. An added security feature we put a 1 meg ohm static neutralizer on the sling so it can be clipped to the product been lifted

# Heat Resistant Slings

For Many applications we need Synthetic slings where the temperature of the product goes upto 180 degrees or more. We manufacture slings with triplet heat resistance, load bearing sleeves which hug the product and bear most of the heat. The sleeves are designed so as to minimize the heat transfer to the inner core sling. These slings work safely till 180 degrees of temperature and to be used with strict guidelines laid by Ferreterro.

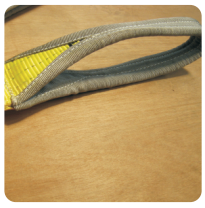
# Spark Proof Slings

High Temp ROUNDSLINGS are made of Aircraft Grade Light weight Core encased in a  double-wall jacket.

- Black Jacket for Stage performances, Regular colors as per EN standard for identification.
- Can be used on High temperatures.
- Safety in case of Flame as Core can sustain 600 degrees celcius .
- Can continually work at 220-230 degree centigrade.
- Super Cut resistance.
- Available from 1 ton – 10 tons SWL with safety factor 5:1 any length desired.
- Jacketed Roto Labels for longevity in identification.
- Much safer at heat and near weld spatters than polyester slings.

# Premium Slings

ALL FERRETERRO PREMIUM  Slings are polyurethane impregnated which has remarkable anti abrasive and cut resistant properties. The fully reinforced loop offers all-round protection in the region of the crane hook.In contrast to the standardized safety factor (SF) 7, the special construction achieves an increased SF of 8:1. ALL FERRETERRO PREMIUM Sling comes with strategically placed RFID microchip inside layers of slings for safety and auditing purpose. For personalized details fed in chips kindly contact our sales. FERRRETERRO has also introduced special weaving and SUPEREDGE. This unique weave design provides extra protection to abrasions and scuffing which maximizes the service life of the Ratchet assembly.



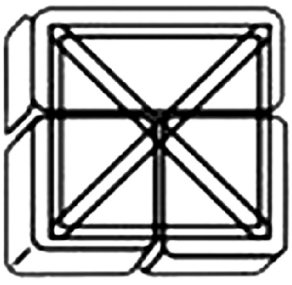
# Drum Lifters

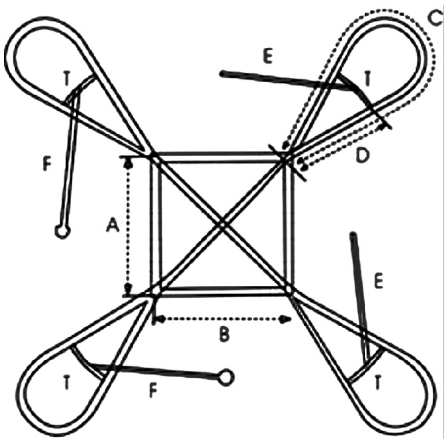
This drum lifting device is crafted for effortless drum handling using an overhead lifting mechanism. It's constructed with grade 80 chain, known for its robustness and adherence to OSHA and ANSI safety standards. The design is user-friendly, facilitating uncomplicated operation. The drum clamps, equipped with a spring-loaded latch, ensure a secure grip on drums during lifting and transportation. This device is tailored for use with closed head steel and plastic drums of 30 and 55 gallons with a top lip, providing versatility. Specifically optimized for overhead lifting, it seamlessly integrates with lifting systems for efficient industrial drum handling.

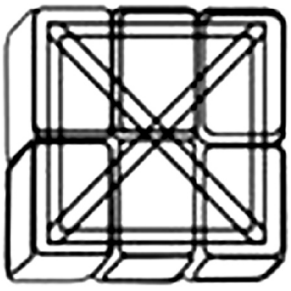
Vertical

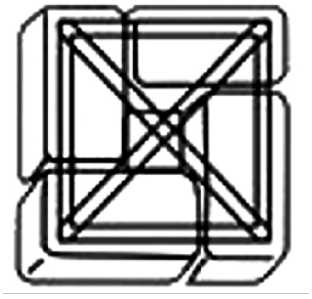
Horizontal

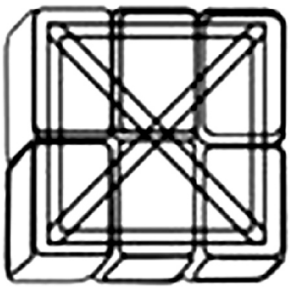
# Clover Leaf Slings



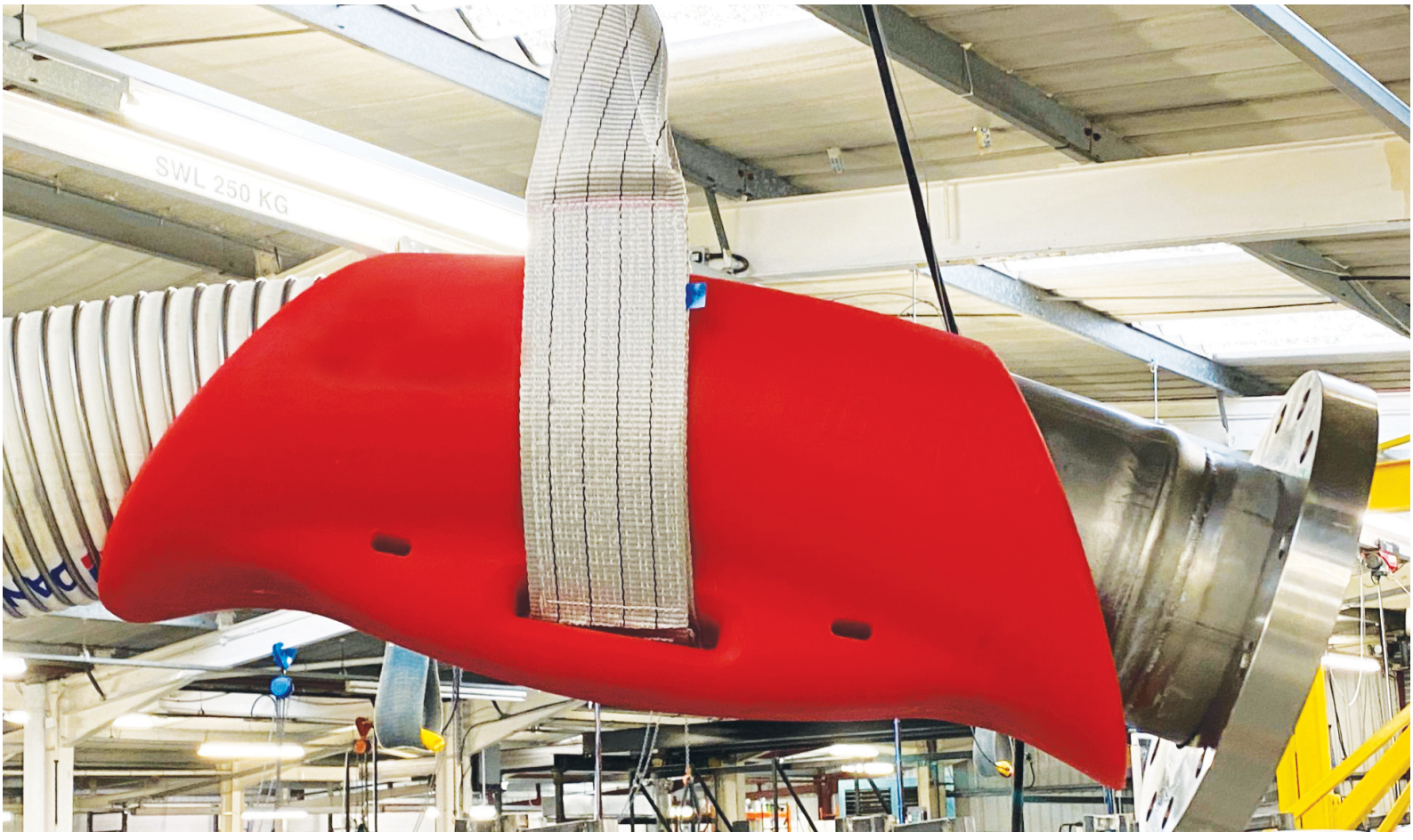




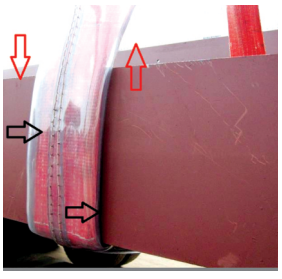


# Hose Saddle Suspension



We produce HSS Hose Saddle Suspension models tailored for hoses with diameters ranging from 1" to 12" I.D. A HSS Hose Saddle Suspension is a polyurethane saddle specifically crafted for suspending hoses. Each model includes a UV-treated polyester sling fastened in a choker position. The HSS Hose Saddle Suspension is strategically designed to meet the manufacturer's minimum bending radius, safeguarding hoses from kinking and extending their operational life.

# Sleeves for Lifting Slings



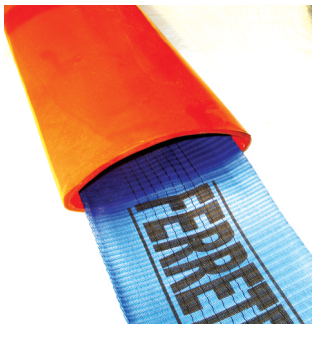
Sleeves are used on lifting slings to provide safety from cutting. Due to sleeves, the slings can be used to lift extremely cut prone products and also these not damage the edges of product. Sleeves are made to lift Glass, steel blades, girders, slit coils, wooden logs and give extra long life to slings. Usage of sleeves at workplace is a must . We, at Ferreterro, give free anti-abrasive sleeves for slings above 50 tons and occasionally in smaller slings for the user to know the advantages of sleeves. We have a large variety of sleeves as per requirement of job. The sleeves stick to the job and sling moves in freely to adjust itself and resist abrasion or cutting giving extra life and safety.

Anti abrasive sleeves increase life of slings upto 10 times. Made of HTPY and strongly constructed are available in PU impregnated and regular features

Polyurethane blended sleeve upto 30 tons capacity. Clear construction to view damages to webbing. Side stitches with triple AA on stitches for extra long life.

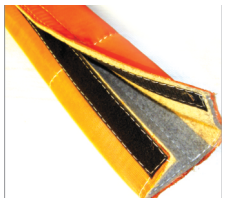
INNOVATION : Anti Cut Polyurethane blend sheet sandwiched in Abrasive resistant sleeves for extremely heavy duty applications where both anticut and anti abrasive properties are required, made at high temperature to maintain properties. Available in loop design slip on and Velcro type . PATENT PENDING.

FERRETEXX is Extreme condition sleeve to lift almost anything. Sharp coils, Ultra sharp edges are now easiest job for synthetic slings. Available in both Round slings and Flat webbing slings for loads upto 300 tons. These sleeves stick to the job and are extremely cut resistant. To be used for super sharp cut edges.

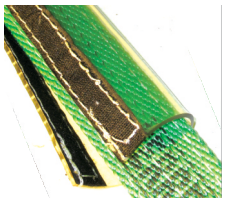


Also available in Heavy duty steel corners with magnets . Saves your chains, Wire rope and webbing from damages. Also saves edges getting damaged from lifting as an empty cavity is created while lifting.

Another Innovation from Ferreterro. HMPE Dyneema/ Kevlar sleeves now made in India, for lightweight and larger sleeves are same as woven ones. Tested for abrasive resistance and cut resistance more than steel in minimal thickness and extremely long life. Perfect for steel industry as handling coils was never better.



The description of Dynaflexx sleeves needs to come under another Innovation. Dynaflexx is Cut resistant Kevlar/HMPE sheet stitched with Velcro. Most efficient in low temperatures and can lift products with protruding sharp points, weld spats. This sleeve provides cushion and protection both. The sleeve allows sling to slide in freely providing maximum wear resistance.

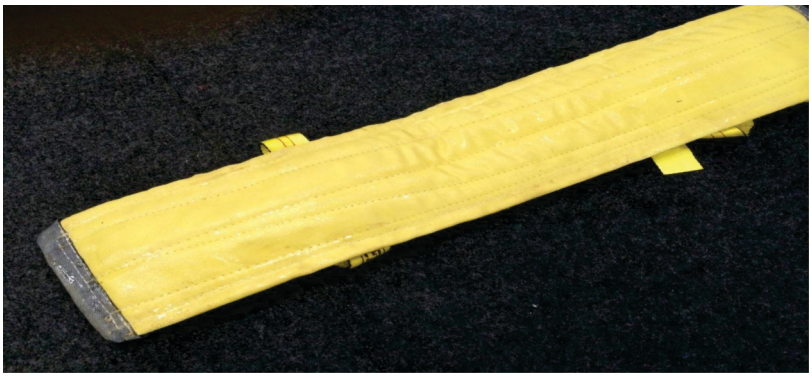


Fully velcro Anti cut sleeve which can be put on and removed from service whenever required. High molecular aramid velcro to be stable at 300 ton load. Perfect for round slings if one leg or two legs are to be secured.

Fully velcro Anti Abrasive sleeve which can be put on and removed from service whenever required. High molecular aramid velcro to be stable at 300 ton load.

## Polyurethane Protection for Chain & Wire Rope

# ZX Sleeve



- Heavy Duty Anti cut ZX sleeve suitable for 5 tons to 300 tons.
- Purpose of sleeve is to save the sling and take the damage on itself.
- Sleeves prevent damages on load bearing belt. If sleeves gets damaged, they should be replaced immediately.
- These sleeves are 8 layered with 5 layered Bullet Resistant KEVLAR. If 6 layers get damaged after continous use the sleeves need to be replaced.
- Polyurethane layered for load distribution and keep multiple layers intact.

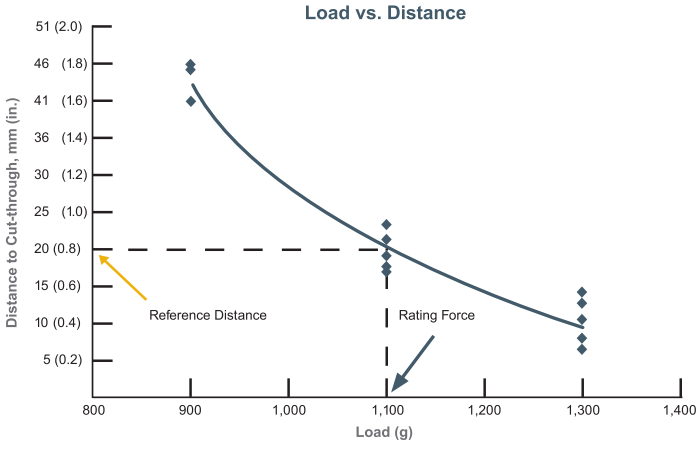
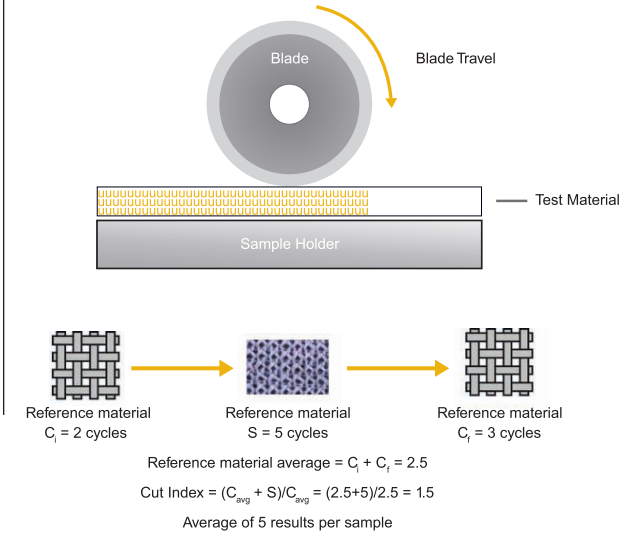



Figure 2. EN 388 test method




# Interior Van Products

## Rope Tie-Offs

Rope Tie-Offs are made with 2” wide 4900G Webbing and include 1027 D-Ring hardware. Rope tie-offs are tagged to comply with North American Cargo Securement Standards.

# Sling Protection

The main cause of damage on a synthetic sling is cutting and excessive abrasion due to sharp edges. Using protection sleeves, wear pads can help in reducing the problem. Protection sleeves act like a buffer between the sling and load. Sleeves are made to lift Glass, Steel Blades, Girders, Slit Coils, Wooden logs and other sharp edged loads to give extra long life to slings. Our product range includes various types of Protection Sleeves, Wear Pads and Corner Guards.

**WEAR PADS**

Wear pads are stitched on the slings at the fixed points of possible wear areas. Wear pads give extra protection to a sling where it wears the most. There are a various types of wear pad available in numerous materials like, Polyster, Felt, PVC, PU Blended Polymers, Buffer pads, Leather pads etc. They can be used as per the required level of protection for the slings.

BUFFER WEAR PAD

FELT WEAR PAD

WEBBING WEAR PAD

**STITCHED PROTECTION SLEEVES**

These are protection sleeves which are permanently stitched on the body of sling. These are ideal in application where wear points are fixed or sling has to be passed through narrow openings where movable sleeves can displace from the wear points. These sleeves are also available in different material like movable sleeves. These can be also stitched over edges of webbing and eye loops of webbing.

STITCHED PAD

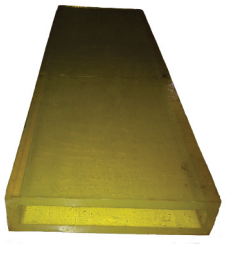
FULL COVERED EYE

PAD ON LOAD POINT

**DYNAFLEXX SLEEVES**

Anti-cut Polyurethane blended sheet sandwiched in Abrasive resistant sleeves for extremely heavy duty applications where both anti-cut and anti-abrasive properties are required. Made at high temperature to maintain properties. Available in loop design slips on and Velcro type. Ideal for Slit coil handling and other sharp edged loads.

**FERRETEX POLYURETHANE SLEEVES**



FERRETEXX is Extreme condition sleeve to lift almost anything. Ultra sharp edges are now easiest job for synthetic slings. Available for both Round sling and Flat Webbing Slings for load up to 300 Ton. These sleeves stick to the job and are extremely cut resistant to be used for super sharp cut jobs.

# Sling Removal Criteria

It is always better to visually inspect all slings before each lift. OSHA specifies, "Each day before being used, the sling and all fastenings and attachments shall be inspected for damage or defects by a competent person designated by the employer. Additional inspections shall be performed during sling use, where service conditions warrant." In other words, you should visually inspect your sling before each lift.

**REMOVAL CRITERIA FOR WEBBING SLINGS**

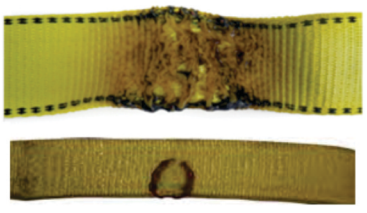
- Acid or caustic burns.
- Missing or illegible tag
- Melting or charring of any part of the sling.
- Holes, tears, cuts or snags.
- Broken or worn stitching in load-bearing splices.
- Excessive abrasive wear.
- Knots in any part of the sling.
- Distortion of the sling.
- Excessive pitting or corrosion, or cracked, distorted or broken fittings.
- Other visible damage that causes doubt as to the strength of the sling.

Damaged or Pitted Fittings

Sling Knot

Sling Weld Splatters and Charring/Melting

Sling Acid Burns



Sling Cuts

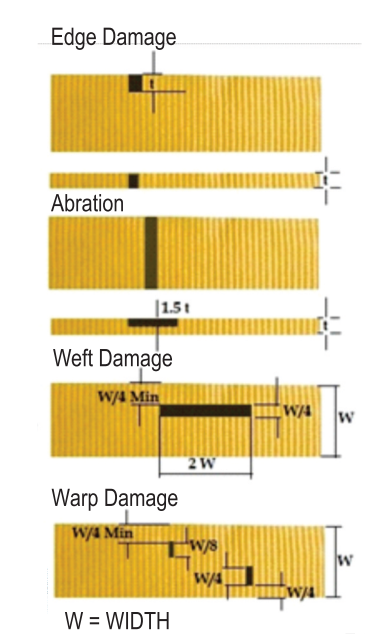
Sling Abrasion

Sling Frays & Pulls

Discoloration and brittle or Stiff area due to Chemical or Ultraviolet sunlight damage

Missing Tag

Broken or Warn Stitches in Load Bearing Spliced Area



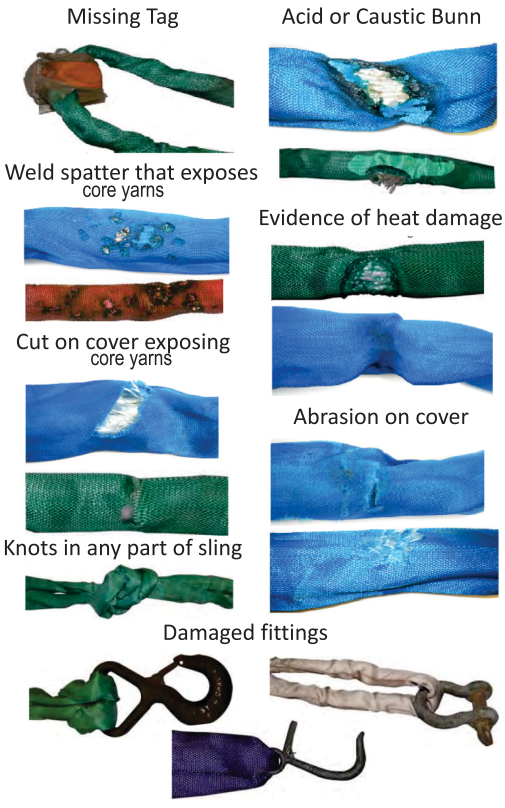

W = WIDTH
t = THICKNESS

A synthetic fibre web sling must be removed from service when any of the following circumstances occurs:

- The length of an edge cut exceeds the web thickness;
- The penetration of abrasion exceeds 15% of the webbing thickness taken as a proportion of all plies;
- Abrasion occurs on both sides of the webbing and the sum of the abrasion on both sides exceeds 15% of the webbing thickness taken as a proportion of all plies;
- Warp thread damage up to 50% of the sling thickness extends to within 1/4 of the sling width of the edge or exceeds 1/4 the width of the sling;
- Warp thread damage to the full depth of the sling thickness extends to within 1/4 of the sling width of the edge or the width of damage exceeds 1/8 the width of the sling;
- Weft thread damage allows warp thread separation exceeding 1/4 the width of the sling and extends in length more than twice the sling width;
- A combination of the above types of damage or approximately equal total effects are present.

**REMOVAL CRITERIA FOR ROUND SLINGS**

- Acid or caustic burns.
- Missing or illegible tag
- Evidence of heat damage, Melting or charring of any part of the sling.
- Holes, tears, cuts, snag or embedded articles.
- Broken or worn stitching in cover exposing core yarn
- Excessive abrasive wear, broken or damaged core yarns.
- Knots in any part of the sling.
- Distortion, brittle or stiff area on any part of the sling which may indicate chemical, heat or ultraviolet/ sunlight damages.
- Excessive pitting or corrosion, or cracked, distorted or broken fittings.
- Other visible damage that causes doubt as to the strength of the sling.




## Bridles

**SINGLE LEG BRIDLE**

**DOUBLE LEG BRIDLE**

**3 - LEG BRIDLE**

**4 - LEG BRIDLE**

## End Fittings With Bridles

# Pipe Bundling

COMPLETE SOLUTION FOR PIPE INDUSTRY

Domestic → Shop Floor Handling →
- Coil Lifting Slings
- Slings for Pickling Pipes
- Slings for Shop Floor Movements
- Pipe Lifting Clamps

Transportation → Load Restraint Devices i.e. Cargo Lashing Ratchets

Exports →
- Pipe Bundling → Dynaflexx
- Container Lashing → Cargo Restraint
- Bundle Lifting → One Way Slings

Pipe Line Handling → Iron Heads Lowering Belts & Bag Slings

We, at FERRETERRO manufacture complete solutions for lifting and lashing related to pipe industry. Right from your shop floor to export cargo to pipe laying project, we provide lifting and lashing solutions tailored to your customized needs.

# Coated Pipe Bundling

We provide customised solutions for coated pipe bundling and pre slinging. Bundling is done with the help of high tenacity polyester straps and specially made Coated Buckles with the help of tensioner. The bundling process is very easy and even factory labourers can bundle the pipes once trained by our technical assistance and product demo.The coated pipes are prone to get scratches when tied with iron steel strap, but with Dynaflexx Lashing System coating remains safe. We also supply pre- slung endless loops and One Way Slings for lifting of pipe bundles. These endless slings are available in various capacities and lengths.

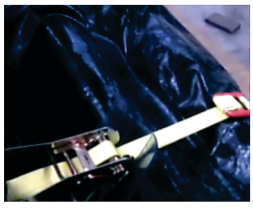
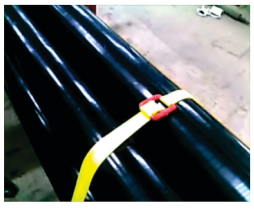
The pipes have to be stacked in fixtures/ steel frames so that initial shape is made by the pipes in form of hexagonal bundles. As shown in pictures above, single stand or multiple stands near packing/exit area will facilitate the bundling. These frames can be fabricated considering diameter of pipe and number of pipes in one bundle. For coated pipe the frames should be properly coated /covered by PU Elastomer/ foam/Rubber Sheet or any suitable material to avoid scratches.

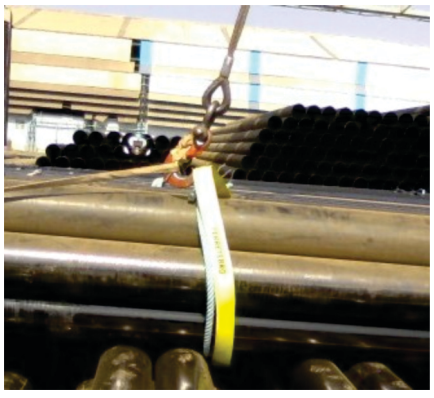
# Pipe Bundling

**Pipe Bundling Process by DYNAFLEXX**

Once pipes have taken their position as a hex shaped bundle, they will be tightened at 5 places by Dynaflexx Lashing with minimum 3 ton break capacity which would be more than three times stronger than conventional steel straps. Lashing is done by a specially provided strainer ratchet.

For coated pipe, buckles will also be coated so that no scratches will be on pipes. Process of lashing is illustrated as below



Pre-slung endless slings/One Way Slings are inserted in pipe bundles, which are now ready to be dispatched.
**These are used to restrain pipes on trailers and inside containers.**
We provide customized solutions for pipe lashing on trailers while in transit by road, as well as lashing in containers for export cargo. Most of the countries now keep safety as top priority to avoid damages by accidents like shown in pictures and therefore want pipes to be restrained on trailers and inside containers as well.

**Restrain Solution**
FERRETRRO provides customised solutions with wide range of products like Cargo Lashing Ratchets, Lashing Straps, Hardwares to restrain the pipes.

# Spreader Beams

Spreader beams convert lifting loads into compressive forces in the bar and tensile forces in the slings. Because of this, spreader beams are highly efficient in their use of material, so they're typically smaller, lighter, and less expensive to design and manufacture than a lifting beam. Because they use two lifting points instead of one singular lifting point, the weight of the load is distributed evenly across the beam, which eliminates the stress on a single lifting point. Spreader beams are ideal for lifting very wide or heavy-duty loads.
Spreader beams also help to control the load and when rigged properly, can reduce the chances of:

- Load tipping, sliding, or bending
- Crushing or damage to the load because you can control the sling angles

They can also be designed in fixed dimensions or can be engineered to allow for incremental adjustment of the sling angle, and the length of the beam itself, for off-center load adjustments.

PRODUCT FEATURES:

- Ideal where headroom is not limited.
- Available with standard chain.
- Wide range of additional sizes and capacities available.

# Adjustable Lifting Beam

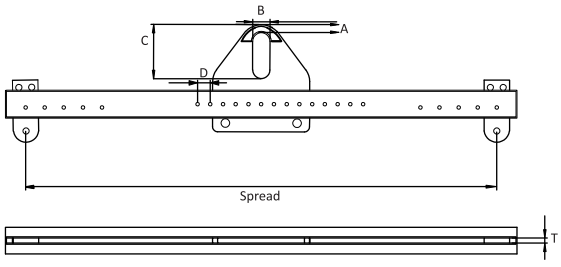
A lifting beam has a simple design consisting of a beam with a single attachment point centered on the top side of the beam for connecting to a crane, hoist, or other lifting machine. Some lifting beams may have two bails in order to engage two crane or hoist hooks. There are typically two or more evenly-spaced lifting lugs on the underside of the beam that attach to and support the load via hook or sling.
Lifting beams are ideal for lighter and shorter span lifts that don't require a lot of headroom. Because there is a single bail attachment on the top for the crane to attach to, it doesn't require the same amount of headroom that a spreader beam does.
Lifting beams also provide multiple lifting points underneath and can be designed with variable or fixed lifting lugs. This type of adjustability means that lifting beams can be used in many different applications and for many different types of loads. This adjustable design allows lifting beams to:

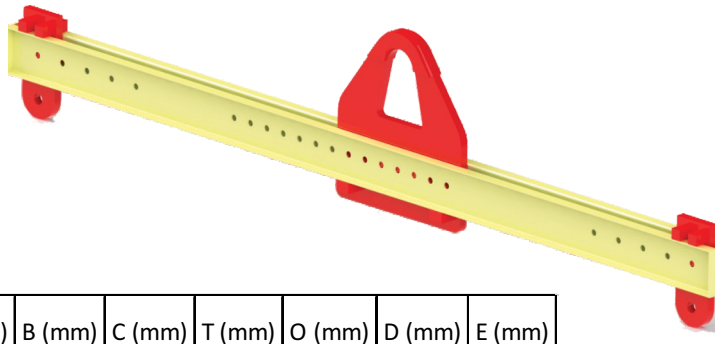
- Handle out-of-balance loads
- Control inward crushing forces

The rigid and heavy-duty design of a lifting beam is ideal for loads that are too weak or flexible to be lifted without support—such as long or thin sheets of metal or steel plates. Adjust lifting bail to be positioned over the load center gravity before lifting the load.

**PRODUCT FEATURES:**

This style of lifting beam can lift off center loads easily by adjusting the bail prior to the lift.
This lifter can be used where headroom is limited, & comes with multiple spreads that are adjustable to accommodate various load sizes.
Supplied with two lower shackles
100% of ALL Peerless Lifting Beams are Proof-Tested and certificates supplied at No Additional Charge.

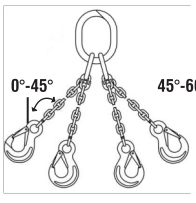


| Model Number | Capacity (tons) | Spread (ft) | A (mm) | B (mm) | C (mm) | T (mm) | O (mm) | D (mm) | E (mm) |
|---|---|---|---|---|---|---|---|---|---|
| FIPLLB-1/2-3 | 0.5 | 3 | 40 | 75 | 125 | 16 | 25 | 3 | 6 |
| FIPLLB-1/2-4 | 0.5 | 4 | 40 | 75 | 125 | 16 | 25 | 3 | 9 |
| FIPLLB-1/2-6 | 0.5 | 6 | 40 | 75 | 125 | 16 | 25 | 3 | 12 |
| FIPLLB-1/2-8 | 0.5 | 8 | 40 | 75 | 125 | 16 | 25 | 4 | 16 |
| FIPLLB-1/2-10 | 0.5 | 10 | 40 | 75 | 125 | 16 | 25 | 4 | 20 |
| FIPLLB-1/2-12 | 0.5 | 12 | 40 | 75 | 125 | 16 | 25 | 4 | 24 |
| FIPLLB-1/2-14 | 0.5 | 14 | 40 | 75 | 125 | 16 | 25 | 6 | 30 |
| FIPLLB-1-3 | 1 | 3 | 40 | 75 | 125 | 16 | 25 | 3 | 6 |
| FIPLLB-1-4 | 1 | 4 | 40 | 75 | 125 | 16 | 25 | 3 | 9 |
| FIPLLB-1-6 | 1 | 6 | 40 | 75 | 125 | 16 | 25 | 3 | 12 |
| FIPLLB-1-8 | 1 | 8 | 40 | 75 | 125 | 16 | 25 | 4 | 16 |
| FIPLLB-1-10 | 1 | 10 | 40 | 75 | 125 | 16 | 25 | 4 | 20 |
| FIPLLB-1-12 | 1 | 12 | 40 | 75 | 125 | 16 | 25 | 4 | 24 |
| FIPLLB-1-14 | 1 | 14 | 40 | 75 | 125 | 16 | 25 | 6 | 30 |
| FIPLLB-1-16 | 1 | 16 | 40 | 75 | 125 | 16 | 25 | 6 | 36 |
| FIPLLB-2-3 | 2 | 3 | 40 | 75 | 125 | 20 | 25 | 3 | 6 |
| FIPLLB-2-4 | 2 | 4 | 40 | 75 | 125 | 20 | 25 | 3 | 9 |
| FIPLLB-2-6 | 2 | 6 | 40 | 75 | 125 | 20 | 25 | 3 | 12 |
| FIPLLB-2-8 | 2 | 8 | 40 | 75 | 125 | 20 | 25 | 4 | 16 |
| FIPLLB-2-10 | 2 | 10 | 40 | 75 | 125 | 20 | 25 | 4 | 20 |
| FIPLLB-2-12 | 2 | 12 | 40 | 75 | 125 | 20 | 25 | 4 | 24 |
| FIPLLB-2-14 | 2 | 14 | 40 | 75 | 125 | 20 | 25 | 6 | 30 |
| FIPLLB-2-16 | 2 | 16 | 40 | 75 | 125 | 20 | 25 | 6 | 36 |
| FIPLLB-5-3 | 5 | 3 | 50 | 100 | 175 | 25 | 25 | 3 | 6 |
| FIPLLB-5-4 | 5 | 4 | 50 | 100 | 175 | 25 | 25 | 3 | 9 |
| FIPLLB-5-6 | 5 | 6 | 50 | 100 | 175 | 25 | 25 | 3 | 12 |
| FIPLLB-5-8 | 5 | 8 | 50 | 100 | 175 | 25 | 25 | 4 | 16 |

# Chain Slings

FERRETERRO manufactures the Grade 80 Chain Slings for industrial application in the environment where flexibility, abrasion, resistance and long life are required. All parts are made by Ferreterro, Oblong Rings, Master link assemblies, Connecting links, Shortening hooks and in house manufacturing of load chains make The product is reliable and all products are manufactured by strict process level based quality control systems. All slings are fully coated against rust prevention and available with permanent metal tags ( RFID tags available).

| Chain Size (mm) | WLL Straight Lift (Tons) | WLL Double Leg Chain Slings (Tons) | | WLL Triple & Quad Chain Slings (Tons) | |
|---|---|---|---|---|---|
| | | | |  | |
| | | | | | |
| 6 | 1.2 | 2.1 | 1.5 | 3.1 | 2.2 |
| 8 | 2 | 2.8 | 2 | 2 | 4.2 |
| 10 | 3.3 | 4.25 | 3.15 | 6.7 | 4.75 |
| 12 | 5.4 | 7.5 | 5.3 | 11.2 | 8 |
| 16 | 8.2 | 11.2 | 8 | 17 | 11.8 |

Ferreterro Chain Slings are available in the chain size of 6 mm to 16 mm with capacity (WLL) upto 12 tons (Approx.)

**Different Available fittings**

Chain Sleeve are also available.

## Advantages & Characteristics

**Durability:**

- Resists impact, cuts and abrasions
- Resistant to chemicals and UV radiation
- Can be used in oily or dirty environments
- Can be used at higher temperatures up to 200°C.
- Minimum elongation when lifting or tensioning
- Long service life compared to synthetic slings

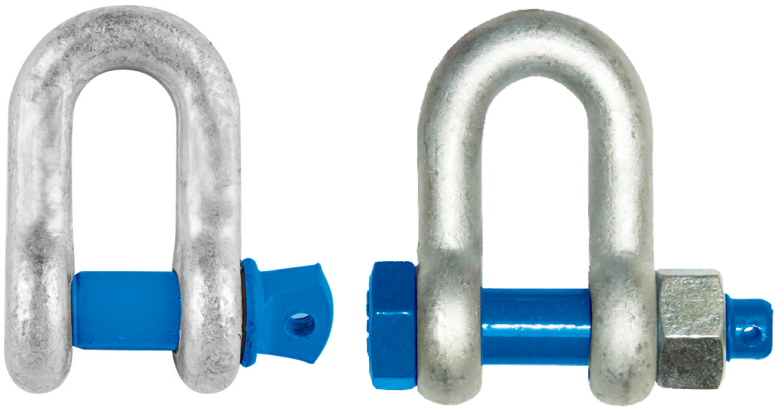
**Versatility:**

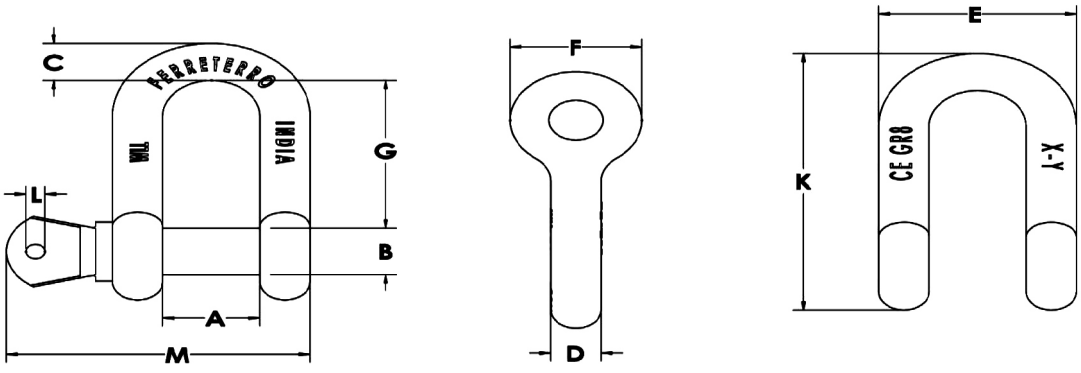
- Easily adjustable
- Can be constructed in the field

**Inspection & Maintenance:**

- Easy to inspect
- Completely reparable.

# Dee Shackle

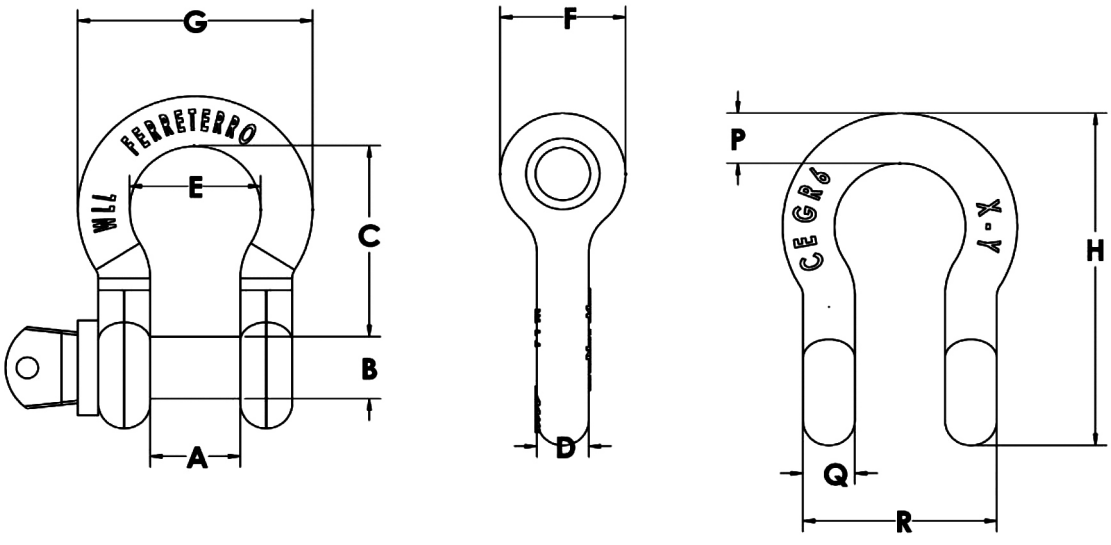





| WORKING LOAD LIMIT (TON) | A | B | C | D | E | F | G | K | L | M | Tolerance | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 17 | 12.5 | 10 | 10 | 37 | 25 | 31 | 59 | 4 | 54.5 | 3.3 | 1.5 |
| 2 | 22.5 | 16 | 11.5 | 11.5 | 45.5 | 29 | 41.5 | 77.5 | 5 | 69 | 3.3 | 1.5 |
| 3-1/4 | 27.5 | 18 | 15.75 | 15.75 | 59 | 37.5 | 51.5 | 95 | 6 | 89 | 3.3 | 1.5 |
| 4-3/4 | 32.5 | 22 | 18 | 18 | 68.5 | 45.5 | 59.5 | 113 | 6 | 102 | 6.35 | 1.5 |
| 6-1/2 | 37 | 25 | 19.5 | 19.5 | 76 | 51 | 74.5 | 135 | 6 | 112.5 | 6.35 | 1.5 |
| 8-1/2 | 45 | 28 | 22.5 | 22.5 | 90 | 56.5 | 83.5 | 151 | 7 | 125.5 | 6.35 | 1.5 |
| 9-1/2 | 46.5 | 32 | 24.5 | 24.5 | 95.5 | 62 | 92 | 164 | 8 | 135 | 6.35 | 1.5 |
| 12 | 51 | 36 | 32.5 | 32.5 | 116 | 78 | 104 | 191 | 8.5 | 164 | 6.35 | 3.3 |
| 13-1/2 | 57.5 | 38 | 37 | 37 | 131.5 | 84 | 116 | 208 | 9.5 | 179 | 6.35 | 3.3 |
| 17 | 62 | 40 | 36.5 | 36.5 | 135 | 90 | 122 | 230 | 9 | 183 | 6.35 | 3.3 |
| 25 | 73 | 50 | 44.5 | 44.5 | 162 | 106 | 146 | 279 | 10 | 232 | 6.35 | 3.3 |
| 35 | 84 | 61 | 46 | 46 | 176 | 117 | 178.7 | 314 | 11 | 264 | 6.35 | 3.3 |
| 55 | 105 | 70 | 66.5 | 66.5 | 238 | 145 | 203 | 377 | 11.5 | 330 | 6.35 | 6.35 |

Note :- ALL DIMENSIONS IN MM

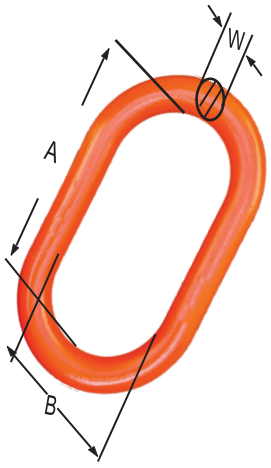
# Bow Shackle




| WORKING LOAD LIMIT (TON) | A | B | C | D | E | F | G | H | P | Q | R | PIN DIA |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 16.75 | 12 | 36 | 9.5 | 24.5 | 23 | 45 | 63 | 9.5 | 9 | 34.75 | 12 |
| 2 | 20.5 | 16 | 47 | 13 | 32 | 30 | 58 | 83 | 12.7 | 12 | 44.5 | 16 |
| 3-1/4 | 27 | 18 | 63 | 16 | 41 | 38 | 77 | 106 | 18 | 17.5 | 62 | 18 |
| 4-3/4 | 32 | 22 | 74.5 | 19.5 | 49 | 46 | 88 | 127 | 19.5 | 18 | 68 | 22 |
| 6-1/2 | 36.5 | 25 | 87.95 | 22.5 | 51 | 51 | 101 | 148 | 25 | 21 | 78.5 | 25 |
| 8-1/2 | 43 | 28 | 95.8 | 25.5 | 68 | 61 | 119 | 166.5 | 26.5 | 25.5 | 94 | 28 |
| 9-1/2 | 46 | 32 | 110.35 | 30 | 71 | 68.75 | 130 | 190 | 29.5 | 27 | 100 | 32 |
| 12 | 53.5 | 35 | 130.25 | 36 | 80 | 79 | 144 | 209 | 32 | 29 | 111.5 | 35 |
| 13-1/2 | 57.15 | 38.1 | 133.35 | 36 | 92.2 | 84 | 162 | 232 | 38 | 38 | 133.15 | 38 |
| 17 | 64 | 40 | 146 | 41 | 97 | 91 | 177 | 252 | 40 | 35 | 134 | 40 |
| 25 | 74 | 50 | 184.5 | 48 | 125.5 | 109 | 221.5 | 312 | 48 | 45 | 164 | 50 |
| 35 | 82.55 | 57.15 | 196.85 | 52.85 | 146 | 122.2 | 253.25 | 347.5 | 60.96 | 60.96 | 204.47 | 56 |
| 55 | 104.9 | 69.85 | 266.7 | 68.8 | 184.15 | 144.5 | 326.9 | 453.15 | 79.5 | 79.5 | 263.9 | 70 |

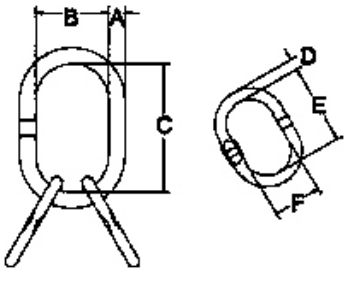
Note :- ALL DIMENSIONS IN MM

# Master Link (OBLONG RING)



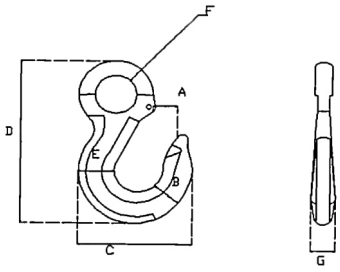

| Tons | Dia Rod (W) (in mm) | Width inner (B) (in mm) | Inner length (A) (in mm) |
|---|---|---|---|
| 1.6 | 12 | 54 | 95 |
| 3.2 | 16 | 54 | 95 |
| 4 | 20 | 75 | 135 |
| 6.3 | 22 | 75 | 135 |
| 8 | 25 | 75 | 135 |
| 10 | 28 | 90 | 150 |
| 12.5 | 32 | 90 | 160 |
| 17 | 40 | 110 | 200 |
| 21.2 | 45 | 125 | 250 |
| 31.5 | 50 | 125 | 250 |
| 45 | 56 | 140 | 275 |

# Master Link Assembly




| Size (mm) | Working Load Limit (t)* | Dimensions (mm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | F |
| 13/12 | 2.4 | 13 | 60 | 120 | 12 | 85 | 45 |
| 17/13 | 3.2 | 17 | 90 | 160 | 13 | 120 | 60 |
| 19/13 | 4.2 | 19 | 90 | 160 | 13 | 120 | 60 |
| 22/17 | 8 | 22 | 100 | 180 | 17 | 160 | 90 |
| 28/22 | 12 | 28 | 145 | 275 | 22 | 180 | 100 |
| 31/25 | 17 | 31 | 145 | 275 | 25 | 210 | 115 |
| 40/31 | 25 | 40 | 160 | 300 | 31 | 270 | 140 |
| 45/36 | 31.5 | 45 | 180 | 340 | 36 | 285 | 155 |
| 51/45 | 45 | 51 | 190 | 350 | 45 | 340 | 180 |

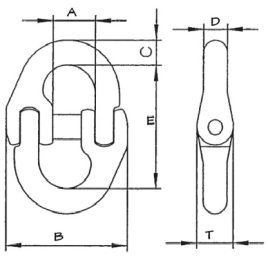
# Eye-Hook




Made of Grade-80 Alloy Steel

| WLL (Tons) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) |
|---|---|---|---|---|---|---|---|
| 1.12 | 30±0.5 | 17.6±0.5 | 67±2 | 109.7±2 | 25±0.5 | 10 | 15.5±0.5 |
| 2 | 31.5±0.5 | 23.3±0.5 | 77±2 | 134.2±2 | 25.5±0.5 | 13 | 18.5±0.5 |
| 3.15 | 34.5±0.5 | 27.9±0.5 | 105.2±2 | 165±2 | 33±0.5 | 19 | 23±0.5 |
| 5.3 | 50±0.5 | 43.3±0.5 | 129±2 | 219±2 | 40.5±0.5 | 21 | 30±0.5 |

# Chain Link Connector




| Size mm chain | Ton | Dimensions in mm | | | | | |
|---|---|---|---|---|---|---|---|
| | | A | B | C | D | E | T |
| 8 | 2 | 18 | 53 | 9 | 9 | 57 | 15 |
| 10 | 3.2 | 25 | 73 | 12 | 12 | 68 | 19 |
| 13 | 5.5 | 30 | 88 | 16 | 16 | 91 | 24 |
| 16 | 8.2 | 36 | 89 | 19 | 16 | 100 | 27 |
| 20 | 12.5 | 42 | 125 | 22 | 22 | 122 | 35 |

Horizontal plate lifting Clamps

Vertical plate Lifting Clamps

Pipe Lifting Clamps

Horizontal Locking Clamps

Beam Clamps

Rail and other Custom clamps

## Plate Lifting Clamp without Spring

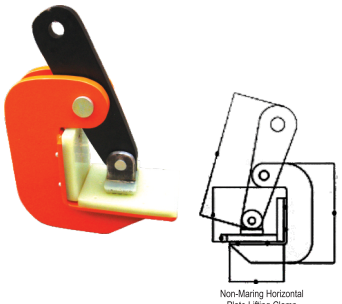
Available in capacities of 2,3,5,6,10,12 and 15 metric tons pair wise.
Available jaw opening from (0 - 120 )mm for different sizes

http://plateliftingclamps.com/plate-lifting-clamp.html

| Model | WLL (ton) | Plate (mm) | A | B | C | D | F D | F d | t | Weight(kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| HPLC-2 | 1 | 0-20 | 90 | 155 | 65 | 42 | 20 | 20 | 16 | 4.22 |
| HPLC-3 | 1.5 | 0-30 | 92 | 168 | 65 | 52 | 20 | 20 | 20 | 5.94 |
| HPLC-5 | 2.5 | 10-48 | 104 | 185 | 75 | 54 | 25 | 23 | 20 | 8.25 |
| HPLC-10 | 5 | 50-100 | 200 | 315 | 100 | 99 | 30 | 30 | 25 | 26.43 |
| HPLC-12 | 6 | 60-120 | 200 | 315 | 100 | 99 | 30 | 30 | 25 | 29.33 |
| HPLC-15 | 7.5 | 60-120 | 208 | 335 | 100 | 109 | 33 | 33 | 25 | 33.03 |

## Horizontal plate lifting clamp

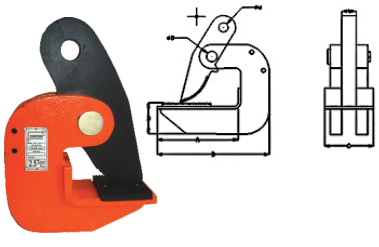
Available in capacities of 4,5 & 6 metric tons pair wise.
Available jaw opening from (0 - 120 )mm for different sizes




| PART NO. | Capacity (ton) | Jaw Opening | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|---|---|
| HPLNMC-4 | 8 Ton Pair | 0-70 | 443 | 330 | 130 | 85 | 182 | 30 | 25 |
| HPLNMC-5 | 10 Ton Pair | 0-70 | 443 | 330 | 130 | 85 | 182 | 30 | 25 |
| HPLNMC-6 | 12 Ton Pair | 50-100 | 490 | 350 | 130 | 87 | 215 | 30 | 25 |

## Spring loaded plate lifting clamp

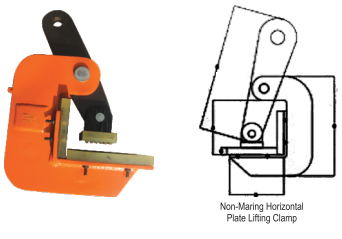
Available in capacities of 2,3,5,10 and 15 metric tons pair wise.
Available jaw opening from (0 - 120 )mm for different sizes



| Model | WLL (ton) | Plate (mm) | A | B | C | D | F D | F d | t | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| HPLC-2 | 1 | 0-20 | 90 | 155 | 65 | 42 | 20 | 20 | 16 | 4.22 |
| HPLC-3 | 1.5 | 0-30 | 92 | 168 | 65 | 52 | 20 | 20 | 20 | 5.94 |
| HPLC-5 | 2.5 | 10-48 | 104 | 185 | 75 | 54 | 25 | 23 | 20 | 8.25 |
| HPLC-10 | 5 | 50-100 | 200 | 315 | 100 | 99 | 30 | 30 | 25 | 26.43 |
| HPLC-15 | 7.5 | 60-120 | 208 | 335 | 100 | 109 | 33 | 33 | 25 | 33.03 |

## Non marring with Spring Locked plate lifting clamp

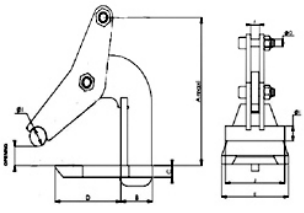
Available in capacities of 2,3,5,6,10,12 and 15 metric tons pair wise.
Available jaw opening from (0 - 120 )mm for different sizes




| PART NO. | Capacity (ton) | Jaw Opening | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|---|---|
| HPLNMC-4 | 8 Ton Pair | 0-70 | 443 | 330 | 130 | 85 | 182 | 30 | 25 |
| HPLNMC-5 | 10 Ton Pair | 0-70 | 443 | 330 | 130 | 85 | 182 | 30 | 25 |
| HPLNMC-6 | 12 Ton Pair | 50-100 | 490 | 350 | 130 | 87 | 215 | 30 | 25 |

## Rod weld plate lifting clamp

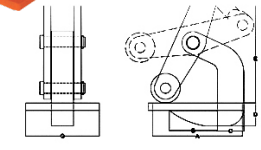
Available in capacities of 2,3,5,10 metric tons pair wise.
Available jaw opening from (0 - 120 )mm for different sizes



| Model | WLL (ton) | Plate (mm) | A | B | C | D | E | F | G | I | J | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HRWLC-2 | 1 | 0-60 | 155 | 40 | 12 | 80 | 90 | 12 | 10 | 20 | 80 | 5 |
| HRWLC-3 | 1.5 | 0-60 | 182 | 60 | 20 | 100 | 125 | 16 | 12 | 20 | 100 | 11.5 |
| HRWLC-5 | 2.5 | 0-150 | 357 | 80 | 25 | 150 | 200 | 22 | 20 | 30 | 160 | 42.5 |
| HRWLC-10 | 5 | 0-150 | 368 | 100 | 30 | 160 | 240 | 35 | 24 | 30 | 180 | 60 |

## Roller plate lifting clamp

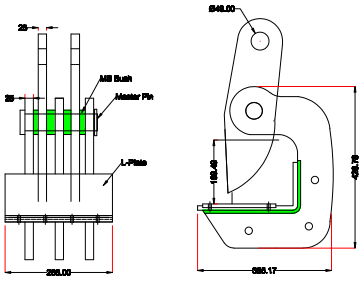
Available in capacities of 2,3,5,6,10,12 and 15 metric tons pair wise.
Available jaw opening from (0 - 120 )mm for different sizes



| Model | WLL (ton) | Plate (mm) | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|---|---|
| HRPL-2 | 1 | 0-20 | 100 | 60 | 30 | 30 | 160 | 10 | 100 |
| HRPL-3 | 1.5 | 0-30 | 100 | 60 | 30 | 30 | 160 | 10 | 100 |
| HRPL-5 | 2.5 | 10-48 | 120 | 65 | 36 | 30 | 175 | 10 | 100 |

## Double arm with teeth plate lifting clamp

Available in capacities of 2,3,5,6,10,12 and 15 metric tons pair wise.
Available jaw opening from (0 - 120 )mm for different sizes



| Model | WLL (ton) | Plate (mm) | A | B | C | D | F D | F d | t |
|---|---|---|---|---|---|---|---|---|---|
| HPLCD-2 | 1 | 0-20 | 90 | 155 | 65 | 42 | 20 | 20 | 16 |
| HPLCD-3 | 1.5 | 0-30 | 92 | 168 | 65 | 52 | 20 | 20 | 20 |
| HPLCD-5 | 2.5 | 10-48 | 104 | 185 | 75 | 54 | 25 | 23 | 20 |
| HPLCD-10 | 5 | 50-100 | 200 | 315 | 100 | 99 | 30 | 30 | 25 |
| HPLCD-12 | 6 | 60-120 | 200 | 315 | 100 | 99 | 30 | 30 | 25 |
| HPLCD-15 | 7.5 | 60-120 | 208 | 335 | 100 | 109 | 33 | 33 | 25 |
| HPLCD-20 | 10 | 60-170 | 260 | 340 | 285 | 116 | 44 | 48 | 22 |
| HPLCD-30 | 15 | 60-170 | 260 | 340 | 285 | 116 | 44 | 48 | 22 |

**Plate lifting clamp with lock**

Available in capacities of 2,3,5,6,10,12 and 15 metric tons pair wise.
Available jaw opening from (0 - 120 )mm for different sizes

DIMENSIONS ARE AVAILBLE ON REQUEST.

**Plate lifting clamp or extra hard sheet**

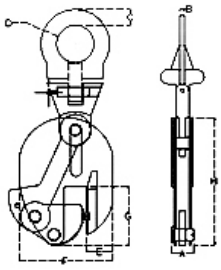
Available in capacities of 2,3,5,6,10,12 and 15 metric tons pair wise.
Available jaw opening from (0 - 120 )mm for different sizes

DIMENSIONS ARE AVAILBLE ON REQUEST.

| Model | WLL (ton) | Plate (mm) | A | B | C | D | F D | F d | t |
|---|---|---|---|---|---|---|---|---|---|
| HPLC-2 | 1 | 0-20 | 90 | 155 | 65 | 42 | 20 | 20 | 16 |
| HPLC-3 | 1.5 | 0-30 | 92 | 168 | 65 | 52 | 20 | 20 | 20 |
| HPLC-5 | 2.5 | 10-48 | 104 | 185 | 75 | 54 | 25 | 23 | 20 |
| HPLC-10 | 5 | 50-100 | 200 | 315 | 100 | 99 | 30 | 30 | 25 |
| HPLC-12 | 6 | 60-120 | 200 | 315 | 100 | 99 | 30 | 30 | 25 |
| HPLC-15 | 7.5 | 60-120 | 208 | 335 | 100 | 109 | 33 | 33 | 25 |
| HPLC-20 | 10 | 60-170 | 260 | 340 | 285 | 116 | 44 | 48 | 20 |
| HPLC-30 | 15 | 60-170 | 260 | 340 | 285 | 116 | 44 | 48 | 22 |

**VPLC without lock, self gripping**

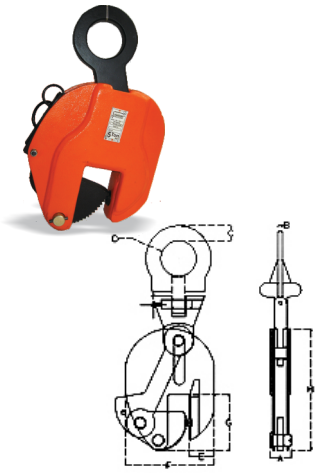
Available in capacities of 1, 2, 3, 5, 8, 10 and 12 tons.
Jaw opening ranges from 0 to 90 mm.



| Model | WLL/Pair (ton) | Shell Plate | A | B | C | D | E | F | G | H | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VPLC-1 | 1 | 0-16 | 55 | 12 | 16 | 45 | 40 | 140 | 60 | 155 | 4.54Kg |
| VPLC-2 | 2 | 0-22 | 54 | 16 | 23 | 55 | 55 | 180 | 80 | 190 | 7.19Kg |
| VPLC-3 | 3 | 5-30 | 72 | 20 | 25 | 60 | 58 | 190 | 100 | 230 | 9.34Kg |
| VPLC-5 | 5 | 16-50 | 82 | 20 | 80 | 65 | 58 | 212 | 117 | 255 | 12.36Kg |
| VPLC-8 | 8 | 40-80 | 118 | 20 | 40 | 80 | 80 | 295 | 145 | 355 | 32.12Kg |
| VPLC-10 | 10 | 45-85 | 120 | 20 | 42 | 85 | 80 | 300 | 168 | 385 | 36.50Kg |
| VPLC-12 | 12 | 50-90 | 120 | 20 | 45 | 90 | 80 | 325 | 180 | 400 | 39.90Kg |

## VPLC with remote releasing clamp

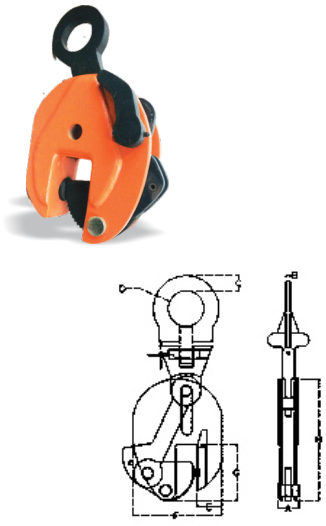
Available in capacities of 1, 2, 3, 5, 8, 10 and 12 tons.
Jaw opening ranges from 0 to 90 mm.



| Model | WLL/Pair (ton) | Shell Plate | A | B | C | D | E | F | G | H | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VPLC-1 | 1 | 0-16 | 55 | 12 | 16 | 45 | 40 | 140 | 60 | 155 | 4.54Kg |
| VPLC-2 | 2 | 0-22 | 54 | 16 | 23 | 55 | 55 | 180 | 80 | 190 | 7.19Kg |
| VPLC-3 | 3 | 5-30 | 72 | 20 | 25 | 60 | 58 | 190 | 100 | 230 | 9.34Kg |
| VPLC-5 | 5 | 16-50 | 82 | 20 | 80 | 65 | 58 | 212 | 117 | 255 | 12.36Kg |
| VPLC-8 | 8 | 40-80 | 118 | 20 | 40 | 80 | 80 | 295 | 145 | 355 | 32.12Kg |
| VPLC-10 | 10 | 45-85 | 120 | 20 | 42 | 85 | 80 | 300 | 168 | 385 | 36.50Kg |
| VPLC-12 | 12 | 50-90 | 120 | 20 | 45 | 90 | 80 | 325 | 180 | 400 | 39.90Kg |

## VPLC with lever

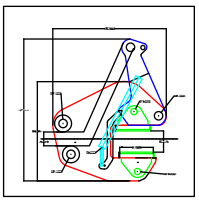
Available in capacities of 1, 2, 3, 5, 8, 10 and 12 tons.
Jaw opening ranges from 0 to 90 mm.



| Model | WLL/Pair (ton) | Shell Plate | A | B | C | D | E | F | G | H | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VPLC-1 | 1 | 0-16 | 55 | 12 | 16 | 45 | 40 | 140 | 60 | 155 | 4.54Kg |
| VPLC-2 | 2 | 0-22 | 54 | 16 | 23 | 55 | 55 | 180 | 80 | 190 | 7.19Kg |
| VPLC-3 | 3 | 5-30 | 72 | 20 | 25 | 60 | 58 | 190 | 100 | 230 | 9.34Kg |
| VPLC-5 | 5 | 16-50 | 82 | 20 | 80 | 65 | 58 | 212 | 117 | 255 | 12.36Kg |
| VPLC-8 | 8 | 40-80 | 118 | 20 | 40 | 80 | 80 | 295 | 145 | 355 | 32.12Kg |
| VPLC-10 | 10 | 45-85 | 120 | 20 | 42 | 85 | 80 | 300 | 168 | 385 | 36.50Kg |
| VPLC-12 | 12 | 50-90 | 120 | 20 | 45 | 90 | 80 | 325 | 180 | 400 | 39.90Kg |

## VPLC non-marring

Available in capacities of 3, 5 and 8 tons.
Jaw opening ranges from 0 to 90 mm.
Full 180 deg. Turning range for material transfer, turning and moving



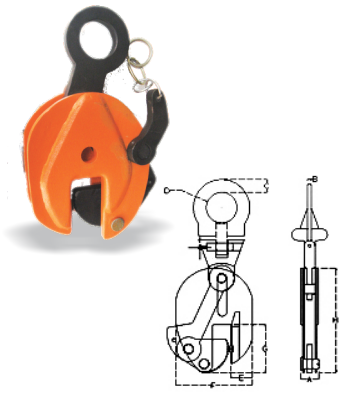
| Model | WLL (ton) | JAW Opening | A | B | C | D | E |
|---|---|---|---|---|---|---|---|
| VPLMNC-3 | 3 | 0-60 | 401 | 281 | 321 | 92 | 244 |
| VPLMNC-5 | 5 | 16-75 | 420 | 310 | 353 | 125 | 260 |
| VPLMNC-8 | 8 | 40-90 | 460 | 350 | 382 | 140 | 260 |

## VPLC universal with remote release & swivel handle

Available in capacities of 1, 2, 3, 5, 8, 10 and 12 tons.
Jaw opening ranges from 0 to 90 mm.
Full 180 deg. Turning range for material transfer, turning and moving

| Model | WLL/Pair (ton) | Shell Plate | A | B | C | D | E | F | G | H | Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VPLC-1 | 1 | 0-16 | 55 | 12 | 16 | 45 | 40 | 140 | 60 | 155 | 4.54kg |
| VPLC-2 | 2 | 0-22 | 64 | 16 | 23 | 55 | 55 | 180 | 80 | 19 | 7.19kg |
| VPLC-3 | 3 | 5-30 | 72 | 20 | 25 | 60 | 58 | 190 | 100 | 230 | 9.34kg |
| VPLC-5 | 5 | 16-50 | 82 | 20 | 28 | 65 | 58 | 212 | 117 | 255 | 12.36kg |
| VPLC-8 | 8 | 40-80 | 118 | 20 | 40 | 80 | 80 | 295 | 145 | 355 | 32.12kg |
| VPLC-10 | 10 | 45-85 | 120 | 20 | 42 | 85 | 80 | 300 | 165 | 385 | 36.50kg |
| VPLC-12 | 12 | 50-90 | 120 | 20 | 45 | 90 | 80 | 325 | 180 | 400 | 39.90kg |

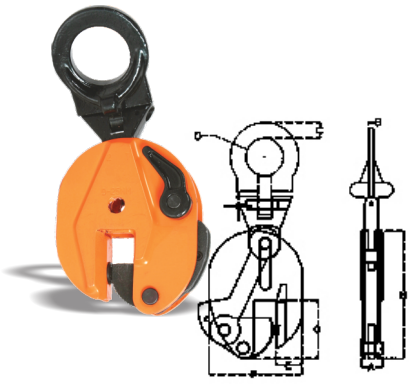
## VPLC universal with remote release & lever



Available in capacities of 1, 2, 3, 5, 8, 10 and 12 tons.
Jaw opening ranges from 0 to 80 mm.
Full 180 deg. Turning range for material transfer, turning and moving.

| Model | WLL/Pair (ton) | Shell Plate | 5 | T | U | V | W | X | Y |
|---|---|---|---|---|---|---|---|---|---|
| VPLC-1 | 1 | 0-18 | 55 | 48 | 300 | 130 | 38 | 35 | 18 |
| VPLC-2 | 2 | 0-35 | 80 | 70 | 380 | 180 | 58 | 43 | 18 |
| VPLC-3 | 3 | 0-25 | 80 | 70 | 385 | 185 | 55 | 42 | 15 |
| VPLC-5 | 5 | 0-45 | 85 | 68 | 425 | 235 | 54 | 70 | 25 |
| VPLC-8 | 8 | 0-55 | 110 | 80 | 560 | 285 | 70 | 73 | 32 |
| VPLC-10 | 10 | 0-76 | 120 | 80 | 635 | 310 | 110 | 75 | 45 |
| VPLC-12 | 12 | 0-80 | 170 | 100 | 830 | 495 | 140 | 115 | 75 |

## VPLC for turning and tilting

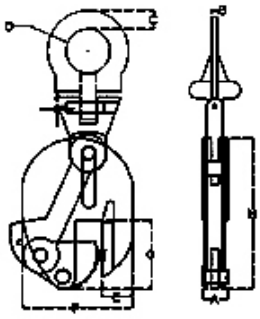


Available in capacities of 1, 2, 3, 5, 8, 10 and 12 tons.
Jaw opening ranges from 0 to 90 mm.

| Model | WLL/Pair (ton) | Shell Plate | S | T | U | V | W | X | Y |
|---|---|---|---|---|---|---|---|---|---|
| VPLC-1 | 1 | 0-18 | 55 | 48 | 300 | 130 | 38 | 35 | 18 |
| VPLC-2 | 2 | 0-35 | 80 | 70 | 380 | 180 | 58 | 43 | 18 |
| VPLC-3 | 3 | 0-25 | 80 | 70 | 385 | 185 | 55 | 42 | 15 |
| VPLC-5 | 5 | 0-45 | 85 | 68 | 425 | 235 | 54 | 70 | 25 |
| VPLC-8 | 8 | 0-55 | 110 | 80 | 560 | 285 | 70 | 73 | 32 |
| VPLC-10 | 10 | 0-76 | 120 | 80 | 635 | 310 | 110 | 75 | 45 |
| VPLC-12 | 12 | 0-80 | 170 | 100 | 830 | 495 | 140 | 115 | 75 |

**VPLC stainless steel**

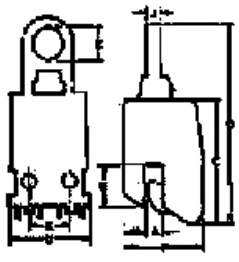
Available in capacities of 1, 2, 3, 5, 8, 10 and 12 tons.
Jaw opening ranges from 0 to 90 mm.



| Model | WLL/Pair (ton) | Shell Plate | A | B | C | D | E | F | G | H | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VPLC-1 | 1 | 0-16 | 55 | 12 | 16 | 45 | 40 | 140 | 60 | 155 | 4.54Kg |
| VPLC-2 | 2 | 0-22 | 54 | 16 | 23 | 55 | 55 | 180 | 80 | 190 | 7.19Kg |
| VPLC-3 | 3 | 5-30 | 72 | 20 | 25 | 60 | 58 | 190 | 100 | 230 | 9.34Kg |
| VPLC-5 | 5 | 16-50 | 82 | 20 | 80 | 65 | 58 | 212 | 117 | 255 | 12.36Kg |
| VPLC-8 | 8 | 40-80 | 118 | 20 | 40 | 80 | 80 | 295 | 145 | 355 | 32.12Kg |
| VPLC-10 | 10 | 45-85 | 120 | 20 | 42 | 85 | 80 | 300 | 168 | 385 | 36.50Kg |
| VPLC-12 | 12 | 50-90 | 120 | 20 | 45 | 90 | 80 | 325 | 180 | 400 | 39.90Kg |

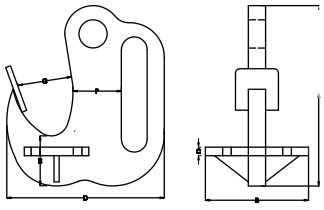
**VPLC of extra heavy duty**

Available in capacities of 1, 2, 3, 5, 8, 10 and 12 tons.
Jaw opening ranges from 0 to 90 mm.



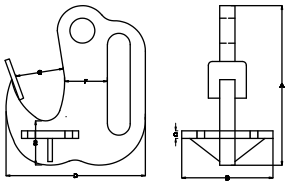
| Model | WLL/Pair (ton) | JAW OPENING A | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VPLC-1 | 1 | 0-30 | 65 | 196 | 355 | 60 | 142 | 140 | 38 | 16 | 76 |
| VPLC-2 | 2 | 0-30 | 77 | 230 | 390 | 64 | 178 | 166 | 40 | 19 | 80 |
| VPLC-3 | 4 | 30-62 | 88 | 240 | 450 | 73 | 200 | 170 | 54 | 19 | 92 |
| VPLC-5 | 6 | 62-90 | 104 | 290 | 520 | 80 | 235 | 230 | 54 | 35 | 104 |

**Pipe lifting without peel resistant coating**



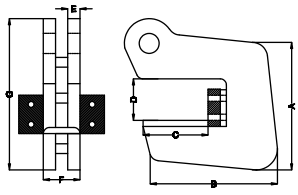
| Model | WLL (Kg.) | Wall thickness (mm) | A (MM) | B (MM) | C (MM) | D (MM) | E (MM) | F ( MM) | G (MM) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| PLC-2.5 | 2500 | 0-40 | 210 | 120 | 10 | 185 | 58 | 56 | 62 | 4.6 |
| PLC-5 | 5000 | 0-55 | 208 | 205 | 145 | 60 | 20 | 20 | 240 | 6.8 |
| PLC-10 | 50000 | 0-60 | 208 | 205 | 145 | 70 | 20 | 60 | 240 | 13.650 |

Pipe lifting with peel resistant coating



| Model | WLL (Kg.) | Wall thickness (mm) | A (MM) | B (MM) | C (MM) | D (MM) | E (MM) | F (MM) | G (MM) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| PLC-2.5 | 2500 | 0-40 | 210 | 120 | 10 | 185 | 58 | 56 | 62 | 4.6 |
| PLC-5 | 5000 | 0-55 | 208 | 205 | 145 | 60 | 20 | 20 | 240 | 6.8 |
| PLC-10 | 50000 | 0-60 | 208 | 205 | 145 | 70 | 20 | 60 | 240 | 13.650 |

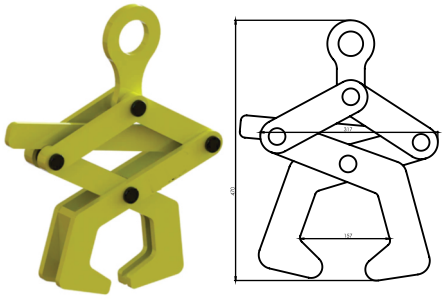
Scratch Resistant Extra Heavy Duty PLC



- For horizontal and transporting of steel and concrete pipes
- Compact shape and relatively low self weight with a high lifting capacity
- The surface bearing are fitted with a special material
- Delivered in pairs
- Teflon coating is easy to change

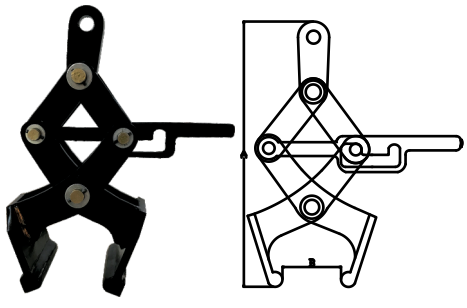
| Model | WLL (Kg.) | Wall thickness (mm) | A (MM) | B (MM) | C (MM) | D (MM) | E (MM) | F (MM) | G (MM) | Weight (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| PLC-2.5 | 2500 | 0-40 | 210 | 120 | 10 | 185 | 58 | 56 | 62 | |
| PLC-5 | 5000 | 0-55 | 208 | 205 | 145 | 60 | 20 | 20 | 240 | |
| PLC-10 | 10000 | 0-60 | 208 | 205 | 145 | 70 | 20 | 60 | 240 | |

# Rail Lifting Clamp



- Designed to lift all standard Rail.
- Lightweight and versatile adjustability
- No tools required.
- Ideal for lifting.
- Locking attachment inbuilt.

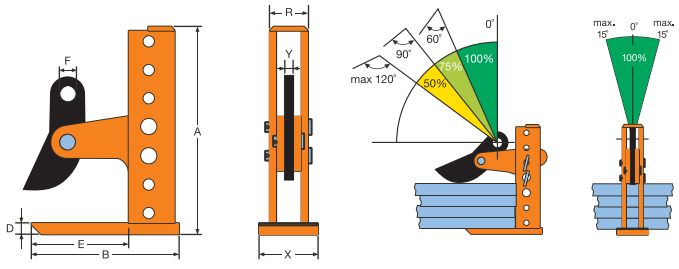
| Model | WLL | A (mm) | B (mm) | C (mm) |
|---|---|---|---|---|
| RLC - 3 | 3000 | 570 | 126 | 442 |



| Model | Dim (A) mm | Dim (B) mm | Capacity ton |
|---|---|---|---|
| RLC - 3X | 585 | 131 | 3 ton |

# Adjustable Jaw Opening Plate Lifting Clamp

- For lifting, handling and transporting of packages and single steel plates.
- Horizontal lifting clamps must always be used in pairs.
- Capacity 1.5 tons per pair up to 9 tons per pair.
- Opening 3 - 180, 3 - 300 and 3 - 420 mm.

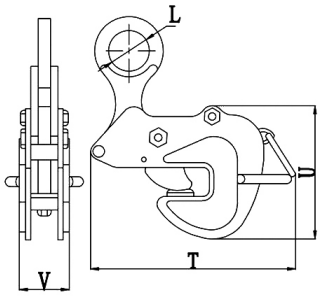



| Model | WLL (ton) | Jaw Opening (mm) | A | B | D | E | F | R | X | Y | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| HPLC-4 | 2 | 3-180 | 290 | 200 | 30 | 135 | 27 | 60 | 87 | 20 | 9 |
| HPLC-6 | 3 | 3-300 | 410 | 235 | 35 | 165 | 27 | 70 | 105 | 20 | 13 |
| HPLC-10 | 5 | 3-420 | 540 | 250 | 40 | 165 | 27 | 75 | 120 | 20 | 23 |
| HPLC-16 | 8 | 3-420 | 540 | 250 | 40 | 165 | 27 | 75 | 120 | 20 | 29.5 |

# Horizontol Plate Lifting Clamp with safety Lock

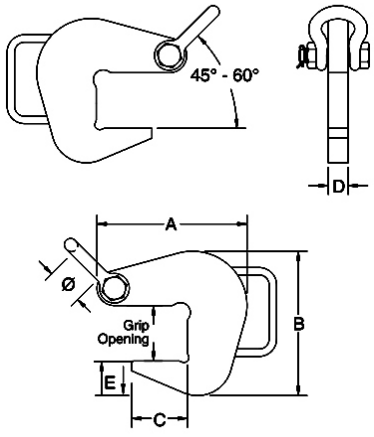
Horizontal clamps are made with medium carbon steel of high strength. Extra hard material is used wherever required. Individual clamp is proof tested with 2 times the load of working load limit. Maintenance replacements parts are available.

- Available in capacities of 0.5,1, 2,3,5,8 & 10 metric tons.
- With safety latch system which can be locked.
- Individual clamp is proof tested with 2 times the load of working load limit.
- Used for girders in pairs, for handling sheets and bundles of sheets, sling with three clamps or more.



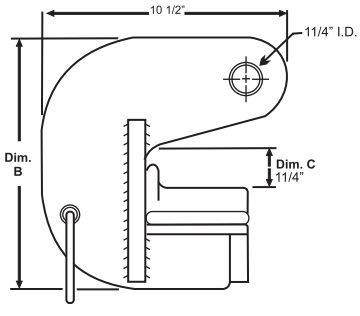

| Model | WLL (Ton) | Jaw Opening (mm) | T (mm) | U (mm) | V (mm) | L (mm) | Net Weight (Kg) |
|---|---|---|---|---|---|---|---|
| HPLCSP-1 | 0.5 | 0-25 | 235 | 122 | 54 | 44 | 3.2 |
| HPLCSP-2 | 1 | 0-25 | 262 | 155 | 60 | 50 | 5.3 |
| HPLCSP-4 | 2 | 0-30 | 280 | 177 | 72 | 56 | 7.9 |
| HPLCSP-6 | 3 | 0-38 | 315 | 209 | 88 | 58 | 10.5 |
| HPLCSP-10 | 5 | 0-40 | 380 | 261 | 104 | 60 | 27.6 |
| HPLCSP-16 | 8 | 0-50 | 488 | 290 | 139 | 100 | 48.5 |
| HPLCSP-20 | 10 | 0-50 | 488 | 290 | 139 | 100 | 52.1 |

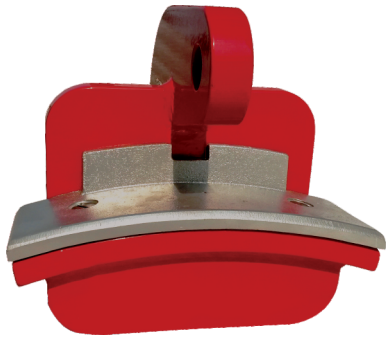
# Pipe Clamp CL Type



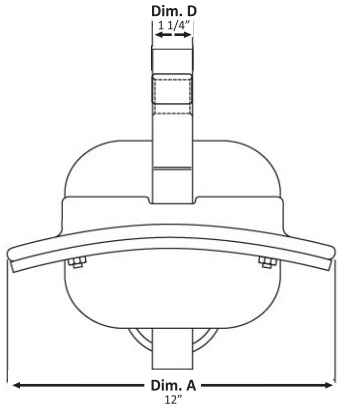

| Model | Working Load Limit per pair | Opening | Weight each (kg) | Dimensions (mm) | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | A | B | C | D | E | Ø |
| PCL2 | 2 | 52.3 | 2.7 | 148 | 129 | 52.3 | 25.4 | 31.8 | 42.9 |
| PCL4 | 4 | 71.4 | 4.56 | 192 | 186 | 71.4 | 25.4 | 44.5 | 42.9 |
| PCL6 | 6 | 103 | 8.05 | 259 | 256 | 103 | 25.4 | 57.2 | 50.8 |
| PPCL10 | 10 | 153.9 | 17.5 | 376 | 383 | 154 | 25.4 | 88.9 | 68.3 |

# Aluminium Lined Pipe Hook



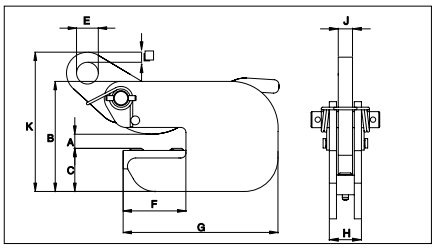
- For horizontal and transporting of steel and concrete pipes.
- Compact shape and relatively low self weight with a high lifting capacity.
- Delivered in pairs.
- Interchangeable cast aluminum inserts.
- Unique wide mouth body available for extra clearance.
- Available up to 20 ton pair capacity.




| Specification | | | | | |
|---|---|---|---|---|---|
| Model | Size (in.) | Dim (A) | Dim (B) | Dim (B) | Dim (D) |
| PLH-20 | 44-55 | 12” | 10 3/4” | 1 1/4” | 1 1/4” |
| PLH-21 | 55-76 | 12” | 10 3/4” | 1 1/4” | 1 1/4” |

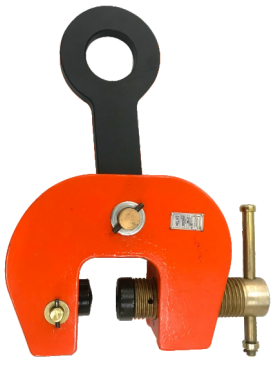
# PT Clamp

The Ferreterro PT horizontal lifting clamps have a pretension feature that allows the user to attach the clamps to the material for horizontal lifting and transfer of sagging and non-sagging material. These clamps may also be used to handle material that will be used in shears, bending and rolling machines or other fabrication equipment. May also be used for turning beams from the “H” into the “I” position.

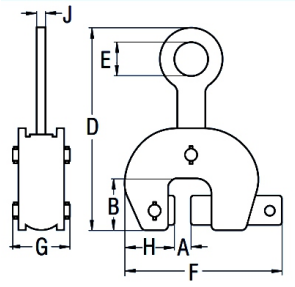



| WLL | Weight | Dimensions (mm) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| (t)* | | Jaw A | B | C | E | F | G | H | J | K | L |
| 1 | 3.5 | 0-20 | 132 | 52 | 26 | 75 | 185 | 36 | 16 | 182 | 12 |
| 2 | 6.5 | 0-25 | 152 | 62 | 30 | 82 | 210 | 49 | 20 | 218 | 15 |
| 3 | 8.5 | 0-25 | 157 | 66 | 30 | 82 | 210 | 57 | 20 | 225 | 15 |

# Plate Screw Clamps

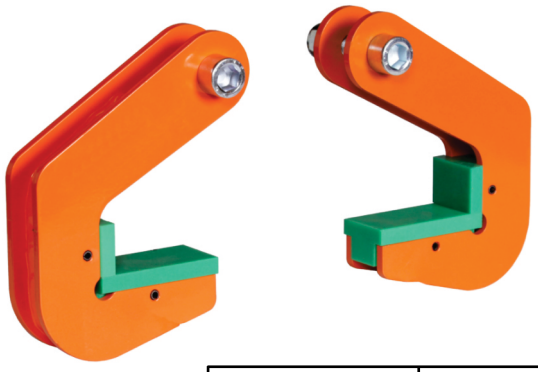


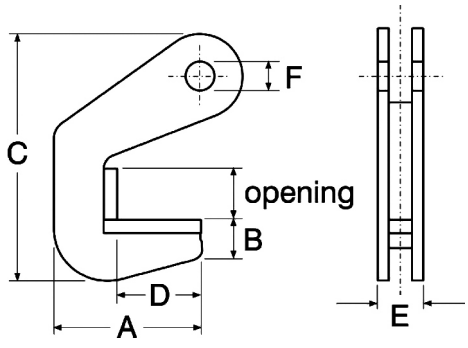
- Screw clamp for vertical lifting and 180 degree turning of metal items.
- Equipped with a pivoting cam jaw.
- Ideal for lifting.
- All clamps are available with individual TC and Serial no.




| SWL | Gripping Range A | Dimensions in mm | | | | | | | Weight approx. |
|---|---|---|---|---|---|---|---|---|---|
| Kg | mm | B | D | E | F | G | H | J | Kg |
| 500 | 0-19 | 60 | 284 | 60 | 168 | 60 | 48 | 14 | 3.5 |
| 1500 | 0-30 | 73 | 346 | 67 | 214 | 86 | 60 | 16 | 6.3 |
| 3000 | 0-50 | 79 | 354 | 60 | 275 | 104 | 71 | 20 | 8.3 |
| 5000 | 0-60 | 110 | 484 | 76 | 341 | 137 | 87 | 25 | 25 |
| 10000 | 0-75 | 140 | 680 | 83 | 416 | 171 | 112 | 25 | 41.8 |
| 15000 | 0-100 | 184 | 581 | 95 | 552 | 210 | 141 | 32 | 93.5 |

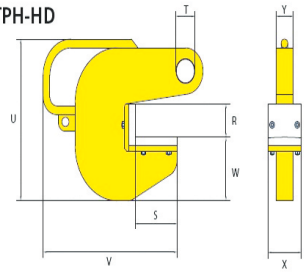
# Pipe Clamp C Type






| Model | Capacity Per Pair (kg) | Opening | Dimensions in mm | | | | |
|---|---|---|---|---|---|---|---|
| | | | A | B | C | D | T |
| FIPL/PLC - 1.5 | 1500 | 40 | 120 | 32 | 195 | 75 | 13 |
| FIPL/PLC - 2.5 | 2500 | 40 | 120 | 32 | 195 | 75 | 13 |
| FIPL/PLC - 5 | 5000 | 50 | 120 | 32 | 205 | 75 | 25 |
| FIPL/PLC - 10 | 10000 | 80 | 120 | 32 | 205 | 75 | 25 |

TPH-HD

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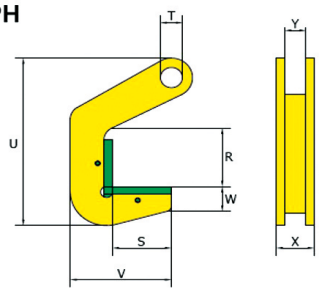
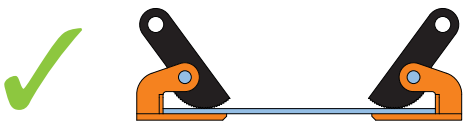
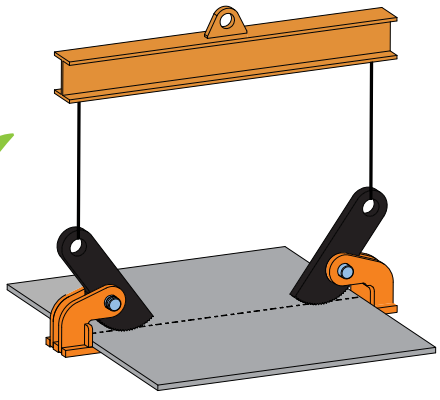
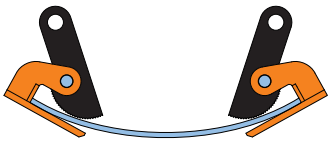


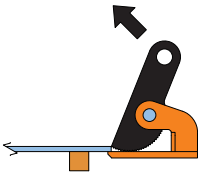

| Model | Type | Capacity (kg/pair) | Jaw opening (mm) | Dimensions in mm | | | | | | | Weight (kg/pc) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | V | S | W | U | T | X | Y | |
| FIPL/PLC-1.5 | 1.5 C | 1500 | 40 | 120 | 70 | 50 | 185 | 16 | 41 | 25 | 2 |
| FIPL/PLC-2.5 | 2.5 C | 2500 | 40 | 120 | 70 | 50 | 185 | 16 | 41 | 25 | 2 |
| FIPL/PLC-5 | 5 C | 6000 | 50 | 140 | 70 | 58 | 204 | 26 | 41 | 25 | 3 |
| FIPL/PLC-8 | 8 C | 8000 | 70 | 140 | 70 | 58 | 224 | 26 | 45 | 25 | 3.4 |
| FIPL/PLC-10 | 10 C | 10000 | 70 | 140 | 70 | 58 | 224 | 26 | 85 | 45 | 7 |
| FIPL/PLC-12 | 12 C | 12000 | 70 | 140 | 70 | 58 | 224 | 26 | 85 | 45 | 7 |
| FIPL/PLC-15 | 15 C | 15000 | 70 | 155 | 70 | 76 | 250 | 26 | 100 | 60 | 9 |
| FIPL/PLC-20 | 20 C | 20000 | 70 | 155 | 70 | 76 | 250 | 26 | 100 | 60 | 9 |
| | | | | | | | | | | | |
| FIPL/PLC-5 HD | 5 C-HD | 5000 | 60 | 309 | 100 | 85 | 232 | 26 | 80 | 20 | 6.7 |
| FIPL/PLC-10 HD | 10 C-HD | 10000 | 60 | 319 | 100 | 85 | 236 | 36 | 80 | 30 | 9.7 |
| FIPL/PLC-20 HD | 20 C-HD | 20000 | 60 | 362 | 100 | 105 | 285 | 51 | 80 | 35 | 14 |
| FIPL/PLC-30 HD | 30 C-HD | 30000 | 60 | 387 | 100 | 115 | 310 | 58 | 80 | 40 | 19 |
| FIPL/PLC-60 HD | 60 C-HD | 60000 | 60 | 418 | 100 | 115 | 350 | 85 | 80 | 60 | 28.5 |

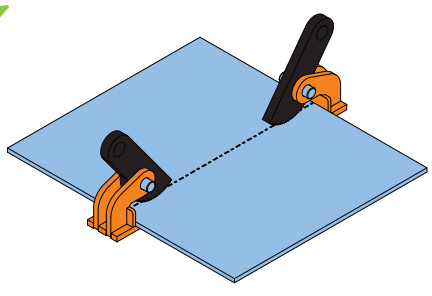
# Safety Lifting Horizontal

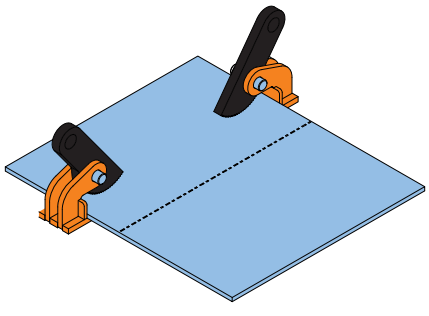


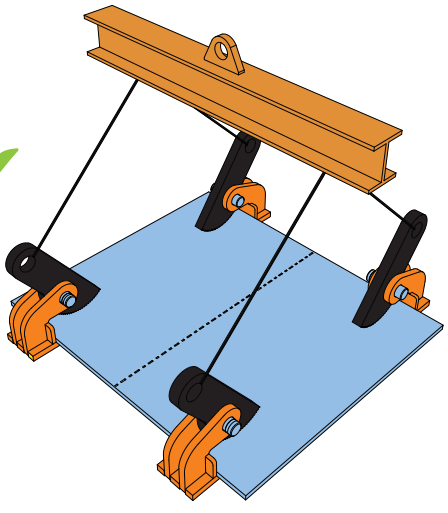


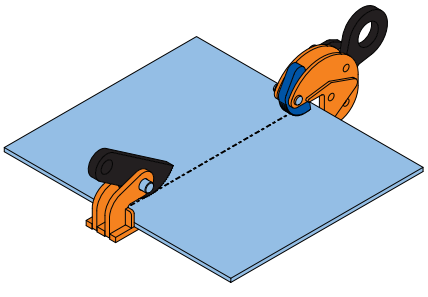




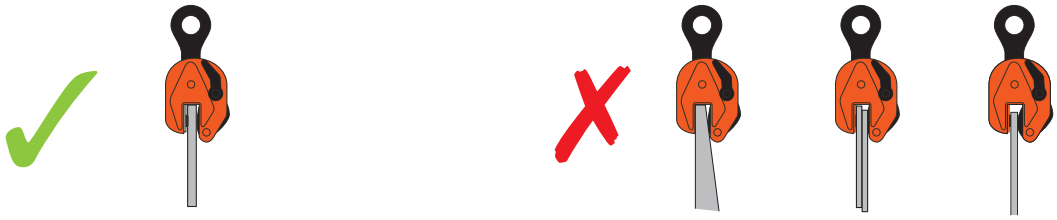


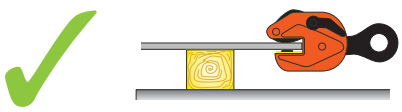


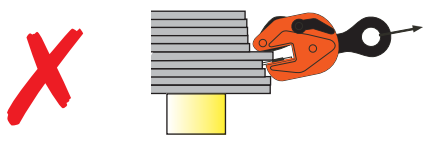


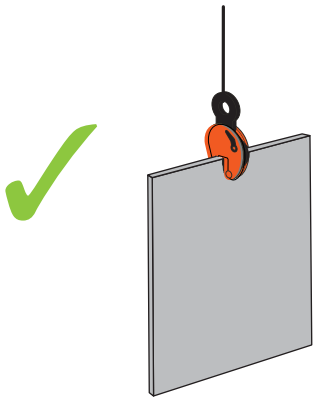


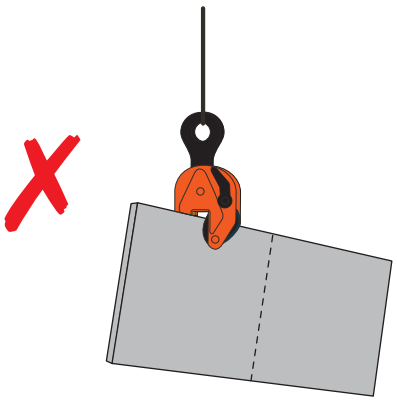
# Safety Lifting Vertical

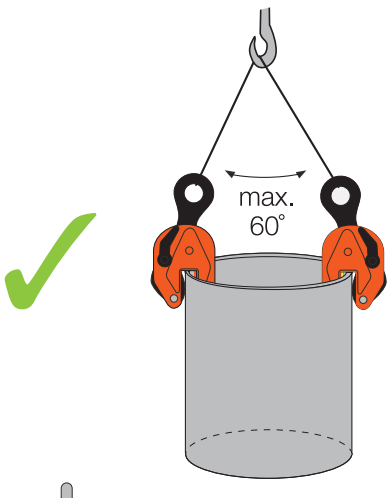


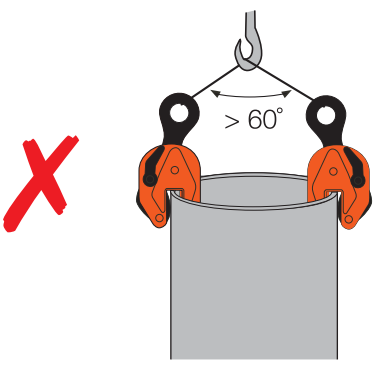


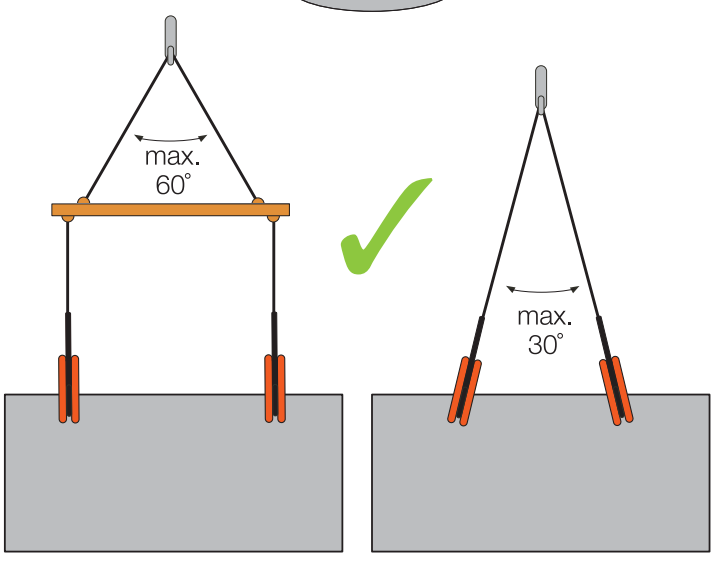


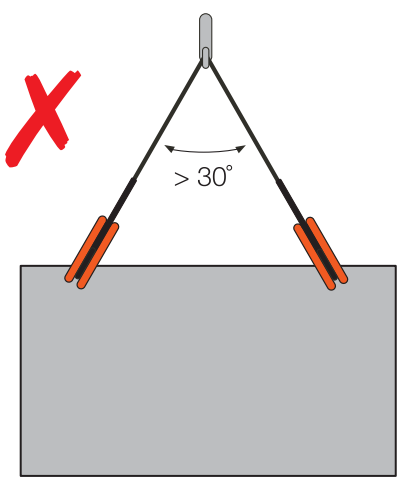




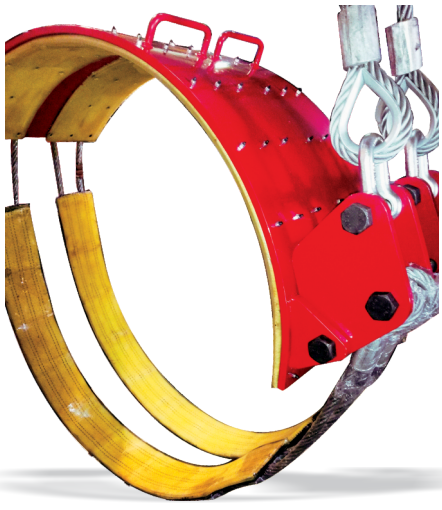


# Steel Lined Choker Belts



- Aligns pipe exactly without slippage for bending, welding, etc.
- Roll pipe, pull pipe, secure extreme bends-all without damage
- Fastest tool available for positioning and handling pipe
- Fully adjustable for coating thickness
- Super Heavy Duty Barrier webbing for increased life and gripping efficiency.
- Easily repairable in field for longer life.
- Replacement Parts Available.
- Available up to 70” pipe diameter and up to 25 ton capacity.

# Pipeline Roller Cradle Assembly

- Ferreterro cradle is the ideal cradle for all line travel operations.
- Pipe damage caused by steel wheel cradles is eliminated.
- Even Load distribution
- Polyurethane rollers ride easily over weld seams and do not hang up.
- Easily disassembled for storage and transit.
- Ample capacity ensures safe handling of heavy wall pipe.
- Suitable also for use as a lowering-in or liftout cradle.
- Available in five ranges to accommodate pipe sizes 6” (168mm) through 60" (1524mm). Safety Factor 5:1
- Replacement Parts Available

| SIZE | | NUMBER OF ROLLERS PER ROLLER ASSEMBLY (4 ROLLER ASSEMBLIES) | MAXIMUM RECOMMENDED WORKING LOAD | |
|---|---|---|---|---|
| IN | MM | | LB | KG |
| 6″-12″ | 152-305 | 5 | 16,923 | 7,676 |
| 12″-24″ | 305-610 | 6 | 28,662 | 13,000 |
| 24″-36″ | 610-914 | 7 | 56,500 | 25,328 |
| 36″-48″ | 914-1219 | 8 | 69,390 | 31,475 |
| 48″-60″ | 1219-1524 | 9 | 105,380 | 47,800 |

| SIZE | | LENGTH | | WIDTH | | HEIGHT | | WEIGHT | |
|---|---|---|---|---|---|---|---|---|---|
| IN | MM | IN | MM | IN | MM | IN | MM | LB | KG |
| 6″-12″ | 152-305 | 42″ | 1067 | 22″ | 559 | 30″ | 760 | 1135 | 515 |
| 12″-24″ | 305-610 | 42″ | 1067 | 36″ | 914 | 36″ | 914 | 1500 | 680 |
| 24″-36″ | 610-914 | 56″ | 1422 | 60″ | 1524 | 36″ | 914 | 4960 | 2250 |
| 36″-48″ | 914-1219 | 56″ | 1422 | 72″ | 1829 | 42″ | 1067 | 6425 | 2914 |
| 48″-60″ | 1219-1524 | 56″ | 1422 | 84″ | 2134 | 48″ | 1219 | 7240 | 3284 |

# Pulling & Lifting Machine

**Design:** Compact and robust design.

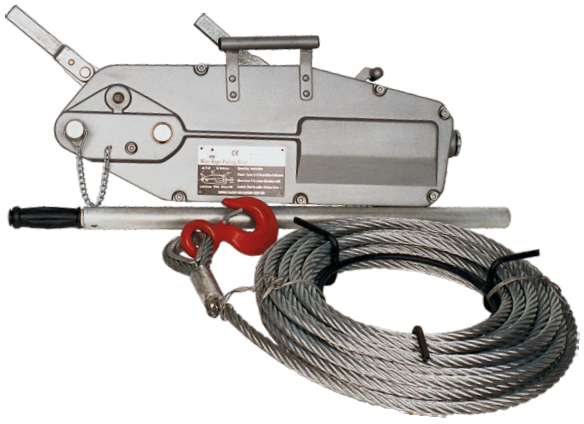
**Construction**: Die casting, light weight, durable.

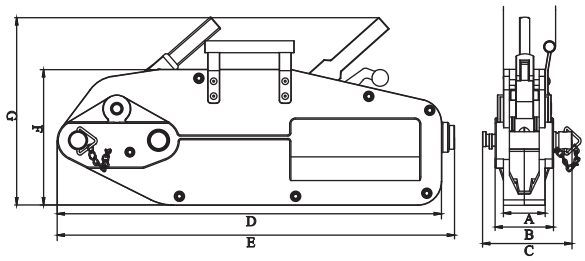
**Operation**: Simple lever operation.

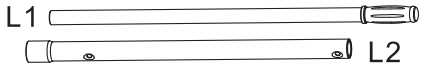
**Application:** For Pulling and Lifting. Can be used at any working angle with sheaves.

**Capacity:** Available in three capacities. Capacity can be enhanced with sheave pulley.

**Safety:** Two safety devices guarantee safe operation.

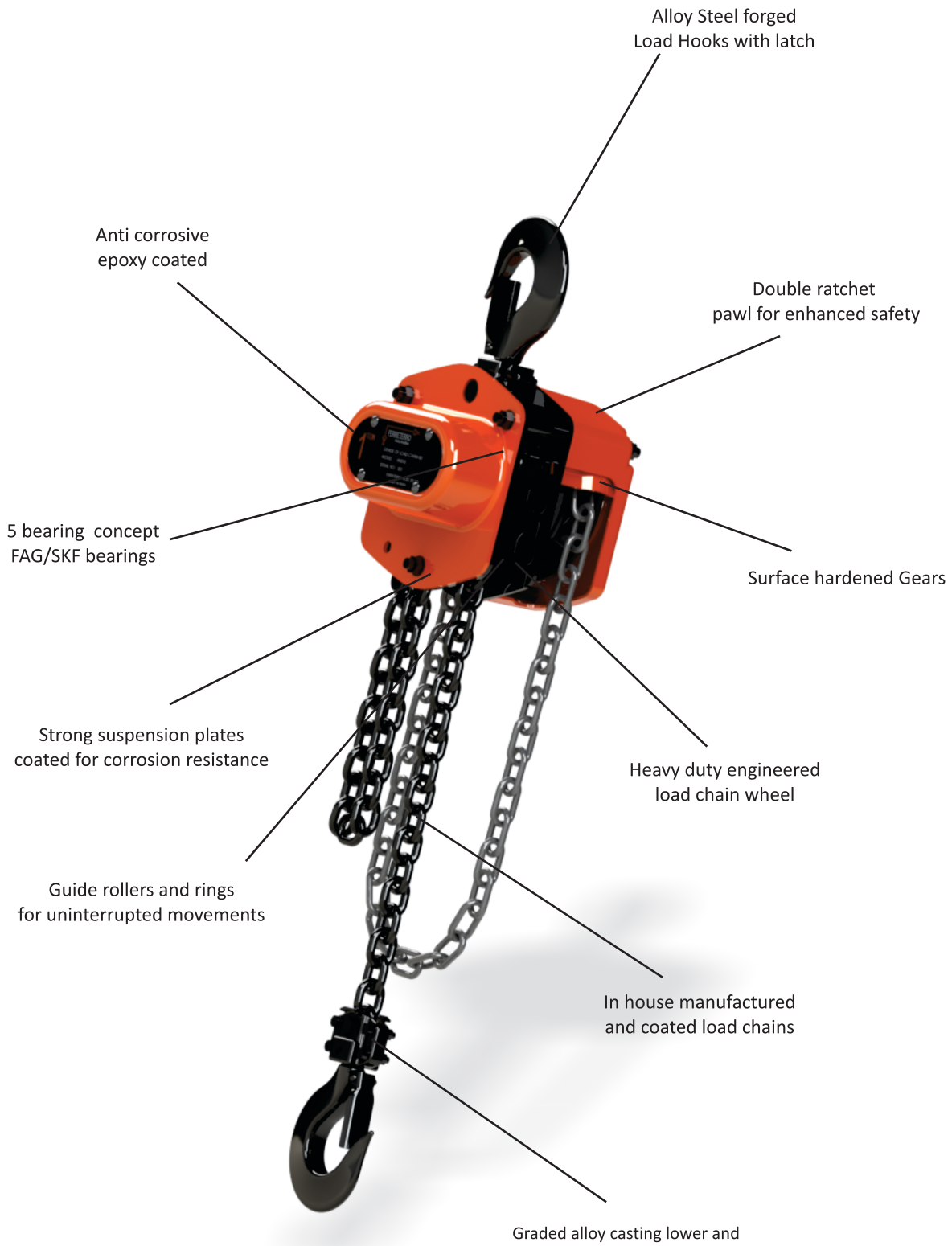





| Description | MODEL | | | |
|---|---|---|---|---|
| | FHPL-08 | FHPL-16 | FHPL-32 | FHPL-54 |
| CAPACITY | | | | |
| a. LIFTING | 0.8T | 1.6T | 3.2T | 5.4T |
| b.PULLING | 1.2 T | 2.4T | 4.8T | 8.0T |
| ROPE DIA. (mm) | 8.3 | 11 | 16 | 20 |
| ROPE SAFETY FACTOR | 5 | 5 | 5 | 5 |
| LENGTH OF HANDLE ( mm) | 800 | 800/1200 | 800/1200 | 880/1350 |
| DIMENSIONS(mm): | | | | |
| A | 44 | 56 | 70 | 90 |
| B | 60 | 68 | 98 | 160 |
| C | 101 | 120 | 150 | 200 |
| D | 420 | 545 | 645 | 935 |
| E | 430 | 556 | 666 | 940 |
| F | 172 | 200 | 227 | 300 |
| G | 240 | 270 | 320 | 410 |
| RATED FORWARD HANDPOWER (n) | 343 | 400 | 441 | 745 |
| RATED FORWARD TRAVEL (mm) | >=52 | >=55 | >=28 | >=30 |

# Chain Pulley Block



# Chain Pulley Block
# Model-Gold

**Compact & Light weight**: Designed for portability and ease of handling.

**Spur Alloy steel gears with case hardening:** Precision cut spur gears ensure smooth and efficient operation with minimal effort.

**Fully pocketed S. G. Iron casting load chain wheel mounted on double ball bearing:** Ensures accurate and smooth operation.

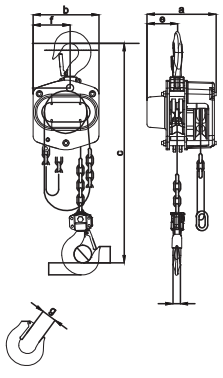
**Alloy Steel Load Chain**: Provides added strength, wear resistance, longer chain life.

**Hand chain wheel cover**: Minimizes jamming & slipping.

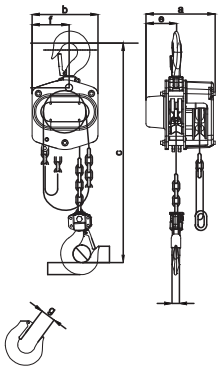
**Brakes:** Mechanical screw friction self actuating disc load brake engages instantly for load holding. Two Ratchet Pawls for extra safety.

**Load and suspension hook with Safety Latches:** Prevents unintentional unhooking of load.

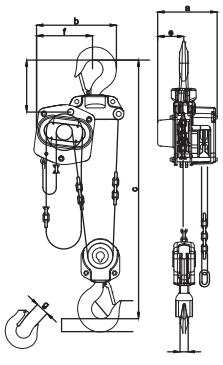
1T



3T



5T



| CAPACITY(T) | 0.5T | 1T | 2T(DF) | 3T(SF) | 3T(DF) | 5T(DF) | 7.5T(TF) | 10T(FF) |
|---|---|---|---|---|---|---|---|---|
| NO.OF FALLS | 1 | 1 | 2 | 1 | 2 | 2 | 3 | 4 |
| MODEL CODE | HH005 | HH010 | HHM20 | HHS30 | HH030 | HH050 | HH075 | HH100 |
| EFFORT(KG) | 30 | 30 | 37 | 41 | 37 | 37 | 38 | 39 |
| Weight at 3MTR lift (approx)KG | 12.5 | 13 | 24 | 29 | 25 | 42 | 69 | 87 |
| Extra weight per additional metre lift (Kgs.) | 0.85 | 0.85 | 2.2 | 2.2 | 2.2 | 3.7 | 5.55 | 8.8 |

| CAPACITY(T) | a(mm) | b(mm) | c(mm) | e(mm) | f(mm) | g(mm) |
|---|---|---|---|---|---|---|
| 0.5T | 158 | 156 | 346 | 69 | 96 | 29 |
| 1T | 158 | 156 | 346 | 69 | 96 | 29 |
| 2T(DF) | 168 | 176 | 500 | 80 | 144 | 40 |
| 3T(SF) | 189 | 228 | 423 | 100 | 131 | 46 |
| 3T(DF) | 168 | 176 | 515 | 80 | 148 | 46 |
| 5T(DF) | 189 | 219 | 605 | 100 | 182 | 51 |
| 7.5T(TF) | 189 | 410 | 775 | 121 | 318 | 80.5 |
| 10T(FF) | 189 | 430 | 790 | 121 | 318 | 80.5 |

# Chain Pulley Block
# Model-Silver

**Compact & Light weight**: Designed for portability and ease of handling.

**All major Forging, Casting, Gears components and**

**Chains produced in-house:** Assured quality and reliability.

**Spur Alloy steel gears with case hardening:** Precision cut spur gears ensure smooth and efficient operation with minimal effort.

**Fully pocketed S. G. Iron casting load chain wheel mounted on double ball bearing:** Ensures accurate and smooth operation.

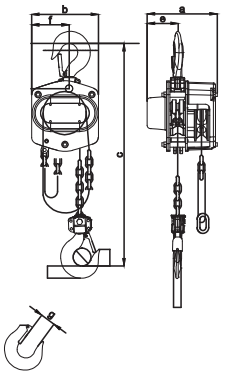
**Alloy Steel Load Chain**: Provides added strength, wear resistance, longer chain life.

**E-Coated/ Zinc Plated load/hand chain:** Offers better aesthetic looks, increased rust protection and longer chain life.

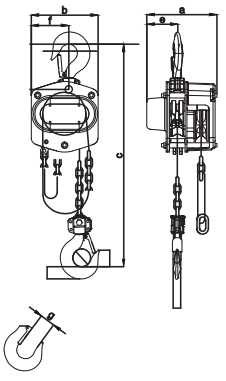
**Hand chain wheel cover**: Minimizes jamming & slipping.

**Brakes:** Mechanical screw friction self actuating disc load brake engages instantly for load holding. Two Ratchet Pawls for extra safety.

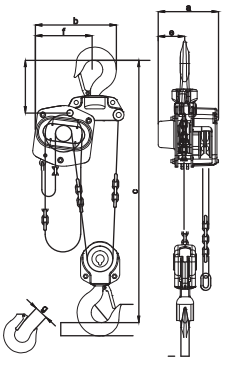
1T



3T



5T

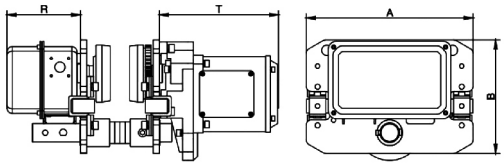


| CAPACITY(T) | 0.5T | 1T | 2T(DF) | 2T(SF) | 3T(SF) | 3T(DF) | 5T(DF) |
|---|---|---|---|---|---|---|---|
| NO.OF FALLS | 1 | 1 | 2 | 1 | 1 | 2 | 2 |
| MODEL CODE | LL005 | LL010 | LLD020 | LL020 | LL030 | LLD030 | LLD050 |
| EFFORT(KG) | 30 | 30 | 33 | 36 | 41 | 37 | 37 |
| Weight at 3MTR lift (approx)KG | 12.3 | 12.5 | 14 | 20 | 28.5 | 24.5 | 41 |
| Extra weight per additional metre lift (kgs.) | 0.85 | 0.85 | 1.7 | 1.35 | 2.2 | 2.2 | 3.7 |

| CAPACITY(T) | a(mm) | b(mm) | c(mm) | e(mm) | f(mm) | g(mm) |
|---|---|---|---|---|---|---|
| 0.5T | 158 | 156 | 346 | 69 | 96 | 29 |
| 1T | 158 | 156 | 346 | 69 | 96 | 29 |
| 2T(DF) | 158 | 156 | 475 | 72 | 132 | 40 |
| 2T(SF) | 180 | 196 | 510 | 94 | 112 | 40 |
| 3T(SF) | 189 | 228 | 423 | 100 | 131 | 46 |
| 3T(DF) | 168 | 176 | 515 | 80 | 148 | 46 |
| 5T(DF) | 189 | 219 | 605 | 100 | 182 | 51 |

# Electric Trolley

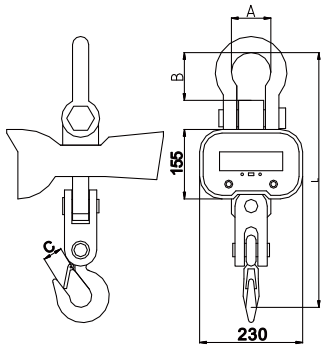
- **Design:** Compact and adjustable design to suit different beam sizes.
- **Lateral wheel ( 1T onwards):** Ensures smooth operation.
- **Operation**: From Pendent.
- **Trolley wheels:** Accurately machined precision cut on anti friction bearing.
- **Powder Coated finish:** For added rust protection and better aesthetic look.




| DESCRIPTION | FHET-05 | FHET-10 | FHET-20 | FHET-30 | FHET-50 |
|---|---|---|---|---|---|
| CAPACITY(Kgs.) | 500 | 1000 | 2000 | 3000 | 5000 |
| SPEED (MPM) | 10 | | | | |
| MOTOR ( kw ) | 0.2 | 0.4 | 0.4 | 0.4 | 0.75 |
| MINIMUM RADIUS ( M) | 1.0 | | | | 1.8 |
| DIMENSIONS ( mm) | | | | | |
| A | 196 | 315 | 325 | 340 | 400 |
| B | 248 | 212 | 220 | 250 | 291 |
| R | 142 | 142 | 142 | 142 | 142 |
| T | 159 | 231 | 231 | 231 | 231 |
| BEAM SIZE (mm) | 70-130 | 80-160 | 80-160 | 100-180 | 110-180 |

# Crane Load Cell

- High-quality Alloy Steel Receptor.
- Aliminium die-casting enclosure.
- 38mm LED & LCD display with backlight.
- Heavy-duty bow shackle.
- Heavy-duty eye hook.
- High capacity rechargeable battery.
- Water-proof panel button.
- Infrared remote controlling.
- Capacity: 1000kg. - 20000kg.



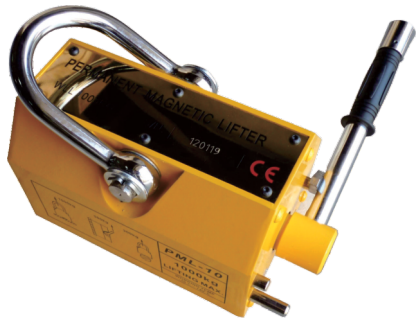
| DESCRIPTION | FHCLC-01 | FHCLC-02 | FHCLC-03 | FHCLC-05 | FHCLC-10 | FHCLC-15 | FHCLC-20 |
|---|---|---|---|---|---|---|---|
| CAPACITY(Kgs.) | 1000 | 2000 | 3000 | 5000 | 10000 | 15000 | 20000 |
| DIMENSIONS ( mm) | | | | | | | |
| A | 58 | 58 | 73 | 92 | 94 | 128 | 135 |
| B | 83 | 83 | 107 | 135 | 145 | 178 | 250 |
| C | 30 | 30 | 33 | 45 | 60 | 75 | 75 |
| L | 420 | 420 | 480 | 585 | 770 | 860 | 950 |
| NET WEIGHT ( Kgs) | 12 | 13 | 15 | 24 | 43 | 61 | 64 |

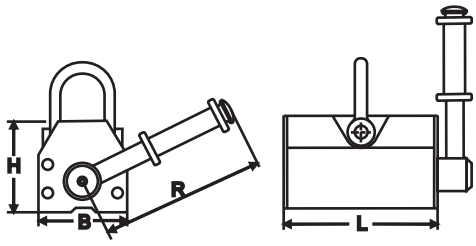
# Permanent Magnet Lifter

Maximum pulling force is greater than 3.5 times rated lifting capacity.

Largest available capacity is 5,000 Kg.

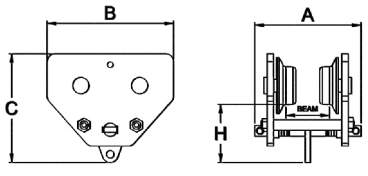
Simple switch and safety button design allows for one handed operation.

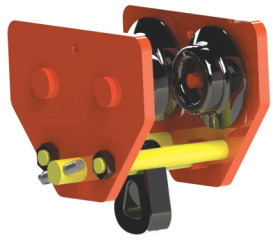


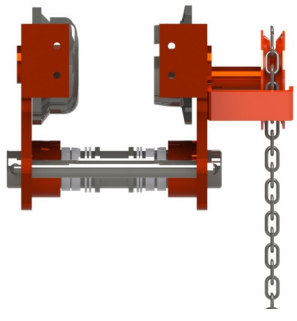



| DESCRIPTION | FHPML-01 | FHPML-03 | FHPML-05 | FHPML-06 | FHPML-10 | FHPML-15 | FHPML-20 | FHPML-30 | FHPML-50 |
|---|---|---|---|---|---|---|---|---|---|
| CAPACITY(Kgs.) | 100 | 300 | 500 | 600 | 1000 | 1500 | 2000 | 3000 | 5000 |
| DIMENSIONS ( mm) | | | | | | | | | |
| L | 92 | 165 | 216 | 236 | 264 | 352 | 378 | 453 | 647 |
| B | 64 | 88 | 118 | 118 | 168 | 168 | 226 | 290 | 290 |
| H | 70 | 96 | 118 | 120 | 168 | 168 | 216 | 265 | 265 |
| R | 145 | 176 | 219 | 219 | 285 | 380 | 462 | 567 | 707 |
| NET WEIGHT ( Kgs) | 3 | 10 | 20 | 24 | 50 | 70 | 125 | 220 | 355 |
| MAX. PULL OFF | | | | | | | | | |
| STRENGTH (Kgs) | 350 | 1050 | 1750 | 2100 | 3500 | 5200 | 7000 | 10500 | 17500 |
| OPERATION TEMP.( C) | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 | <80 |

# Beam Trolley

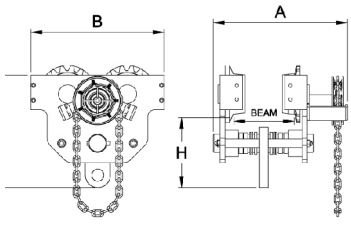


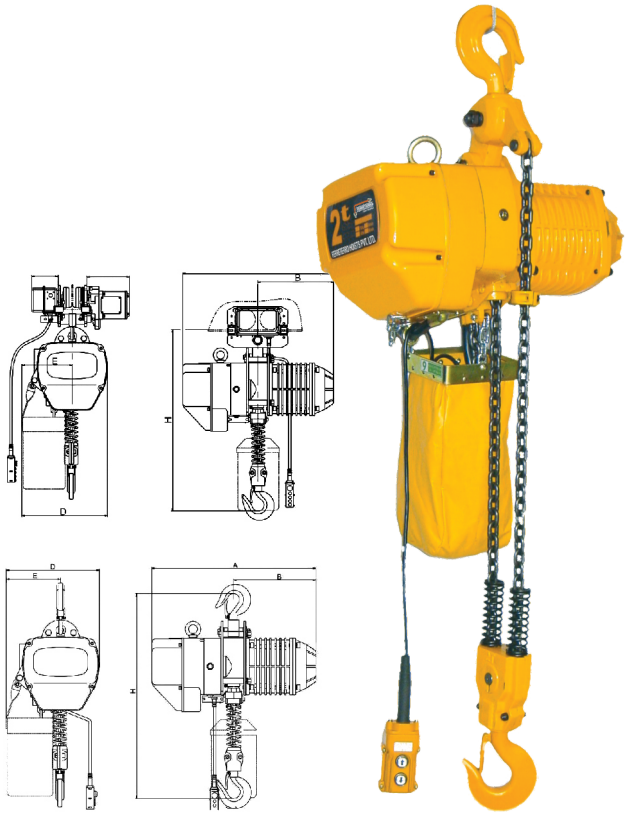


| Model | Capacity (Tons) | I-Beam width (mm) | Net Weight (kg) | A (mm) | B (mm) | C (mm) | H (mm) |
|---|---|---|---|---|---|---|---|
| MPT-1 | 1 | 60-150 | 10 | 250 | 242 | 220 | 129 |
| MPT-2 | 2 | 90-160 | 13 | 300 | 242 | 220 | 129 |
| MPT-3 | 3 | 90-160 | 13 | 300 | 242 | 220 | 129 |

| Model | Capacity (Tons) | I-Beam width (mm) | Net Weight (kg) | A (mm) | B (mm) | C (mm) | H (mm) |
|---|---|---|---|---|---|---|---|
| GT-1 | 1 | 60-150 | 13 | 314 | 242 | 220 | 129 |
| GT-2 | 2 | 90-160 | 16 | 364 | 242 | 220 | 129 |
| GT-3 | 3 | 90-160 | 16 | 364 | 242 | 220 | 129 |
| GT-5 | 5 | 110-150 | 47 | 400 | 400 | 143.5 | 171 |



# Chain Electric Hoist



**Aluminium Die Cast Body:** Compact, tough body.

**Alloy steel gears:** Precision cut spur gears ensure smooth and efficient operation with reduced noise.

**Grade 80 load chain:** Provides added strength, wear resistance, longer chain life.

**Hooks:** Forged hook, free swivelling with safety latch. Bottom hook with thrust bearing.

**Wrong Phase Protector:** Wrong Phase Protector protects the motor in case of wrong phase position.

**Limit Switches:** Stop hoist at both ends of hook path.

**Motor:** Squirrel cage induction motor with 40% CDF and IP-55 protection.

**Panel:** Built in panel with IP-55 protection.

**Specification & Dimension**

| Hoists Model | Capacity (Ton) | Lifting Speed (m/min) | Lifting Motor (kw) | Traversing Speed (m/min) | Traversing Motor (kw) | Load Chain (mm) | N.W. (kg) |
|---|---|---|---|---|---|---|---|
| FHEH 0.5 - 01S | 0.5 | 7.8 | 0.75 | 10 | 0.2 | 6.3 | 45 |
| FHEH 0.5 - 01 D | | 7.8/2.6 | 0.75/0.25 | | 0.2 | 6.3 | 56 |
| FHEH 01 - 01 S | 1 | 6.8 | 1.5 | | 0.4 | 7.1 | 65 |
| FHEH 01 - 01 D | | 7.2/2.4 | 1.5/0.5 | | 0.4 | 7.1 | 78 |
| FHEH 02 - 01 S | 2 | 6.8 | 3 | | 0.4 | 10 | 121 |
| FHEH 02 - 01 D | | 6.8/2.3 | 4.0/1.5 | | 0.4 | 10 | 152 |
| FHEH 03 - 02 S | 3 | 4.4 | 3 | | 0.4 | 10 | 138 |
| FHEH 03 - 02 D | | 4.4/1.5 | 4.0/1.5 | | 0.4 | 10 | 174 |
| FHEH 05-02 S | 5 | 2.7 | 3 | | 0.75 | 11.2 | 154 |

| Capacity (Ton) | Product Code | Headroom (mm) | | Dimensions (mm) | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Hook Sus. | ET | A | B | D | E | beam (mm) |
| 0.5 | FHEH 0.5-015 | 550 | 630 | 460 | 230 | 280 | 160 | 70-130 |
| | FHEH 0.5 - 01 D | 550 | 630 | 545 | 260 | 280 | 160 | |
| 1 | FHEH 01 - 01 S | 600 | 650 | 520 | 260 | 300 | 176 | 80-160 |
| | FHEH 01 - 01 D | 600 | 650 | 582 | 280 | 300 | 176 | |
| 2 | FHEH 02 - 01 S | 800 | 770 | 620 | 310 | 430 | 265 | 80-160 |
| | FHEH 02 - 01 D | 800 | 770 | 675 | 328 | 430 | 265 | |
| 3 | FHEH 03 - 02 S | 950 | 930 | 620 | 310 | 430 | 320 | 100-180 |
| | FHEH 03 - 02 D | 950 | 930 | 675 | 328 | 430 | 320 | |
| 5 | FHEH 05 - 02 S | 1030 | 1015 | 620 | 310 | 430 | 325 | 110-180 |

# Chain

We manufacture wide range of Alloy/M.S. link chains using state of the art chain making machines.

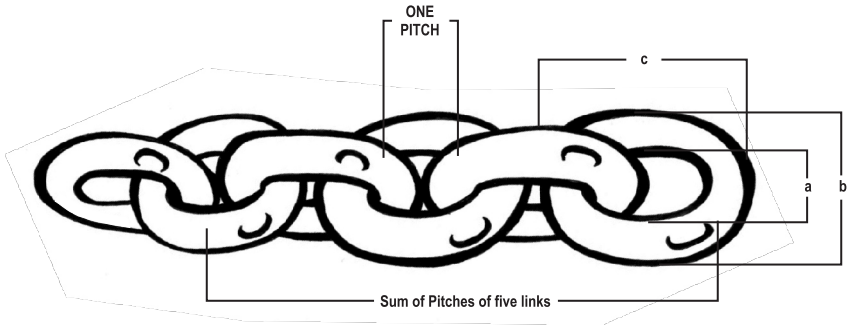
Our chains have high accuracy and tight tolerance to ensure smooth running.

A sophisticated continuous heat treatment process gives even hardness and strength to each link.

Our E-coated chains provide high corrosion resistance for longer life.

In-house manufacturing allows flexibility for customized production.

All links marked as per required standards for easy identification.

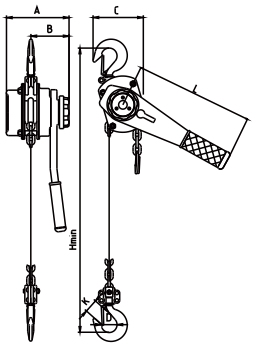



| FERRETERRO HOISTS PVT LTD | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| LINK CHAIN RANGE TECHNICAL SPECIFICATION SHEET | | | | | | | | | | |
| Type | Dia of chain(mm) | Pitch (mm) | Sum of pitches of 5 links(mm) | Discard limit(mm) | a (mm) | b(mm) | c(mm) | SWL(t) | PL(t) | BL(t) |
| Aloy steel load chain G-80 | 6 | 18 | 90 | 91 | 6 | 20 | 30 | 1 | 2.7 | 4.5 |
| Alloy steel load chain G-80 | 6.3 | 19 | 95 | 96.3 | 8.4 | 21 | 31.6 | 1.2 | 3.2 | 5 |
| Alloy steel load chain G-80 | 7.1 | 21 | 105 | 109.1 | 8.8 | 23 | 35.2 | 1.5 | 4 | 6.5 |
| Alloy steel load chain G-80 | 8 | 23 | 115 | 117 | 10.5 | 26.5 | 39 | 2 | 5 | 8.05 |
| Alloy steel load chain G-80 | 8 | 24 | 120 | 122.5 | 11 | 27 | 40 | 2 | 5 | 8.05 |
| Alloy steel load chain G-80 | 9 | 27 | 135 | 140 | 12.5 | 30.5 | 45 | 2.5 | 6.3 | 10.2 |
| Alloy steel load chain G-80 | 10 | 30 | 150 | 155 | 13.2 | 33.2 | 50 | 3.2 | 7.8 | 12.2 |
| Alloy steel load chain G-80 | 12 | 33 | 165 | 170 | 15.5 | 39.5 | 57 | 4.5 | 11 | 18 |
| Alloy steel load chain G-80 | 12 | 36 | 180 | 185 | 18 | 42 | 60 | 4.5 | 11 | 18 |
| Alloy steel load chain G-80 | 14 | 42 | 210 | 215 | 18 | 46 | 70 | 6.2 | 15 | 24.6 |
| Alloy steel load chain G-80 | 16 | 48 | 240 | 245 | 19.5 | 51.5 | 80 | 8.05 | 19.3 | 32.2 |
| | | | | | | | | | | |
| Mild steel load chain G-40 | 9.5 | 24.5 | 122.5 | 203 | 11.5 | 30.5 | 43.5 | 1.4 | 2.85 | 5.7 |
| Mild steel load chain G-40 | 11 | 30 | 150 | 153 | 13.5 | 35.5 | 52 | 1.9 | 3.8 | 7.6 |
| Mild steel load chain G-40 | 12.5 | 35.25 | 176.25 | 180 | 15 | 40 | 60.25 | 2.45 | 4.9 | 9.8 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Mild steel hand chain G-30 | 5 | 25 | 125 | 127 | 7.5 | 17.5 | 35 | 290 | 590 | 1180 |
| Mild steel hand chain G-30 | 5 | 22.5 | 112.5 | 115 | 7.5 | 17.5 | 32.5 | 290 | 590 | 1180 |
| Mild steel hand chain G-30 | 6 | 19 | 95 | 97 | 8.5 | 20.5 | 31 | 425 | 850 | 1700 |
| Mild steel hand chain G-30 | 6 | 26.5 | 132.5 | 135 | 8 | 20 | 38.5 | 425 | 850 | 1700 |
| | | | 0 | | 0 | | 0 | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| a = inside width of the link | | b= out side width of the link | | c= out side pitch /lenth of the link | | | | | | |
| | | | | | | | | | | |
| SWL= Safe Work load | | PL= proof load | | BL= Breaking load | | | | | | |

# Ratchet Lever Hoist

## Link Chain Type

- **Compact & Light weight**: Designed for portability and ease of handling.
- **Designed to EN 13157 with CE certification:** Assured quality and reliability.
- **Grade 100 load chain:** Added strength, wear resistance, longer chain life.
- **Easy to Operate:** Requires minimum effort.
- **Brakes:** Mechanical load brake engages instantly for load holding. Two Ratchet Pawls for extra safety.



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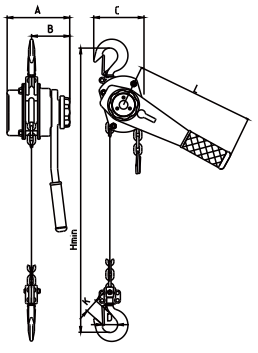
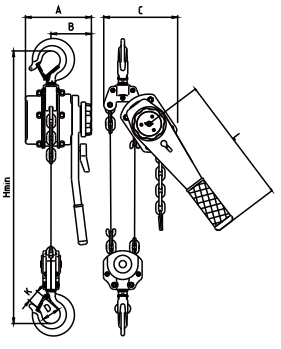


1.5t/3t



6t

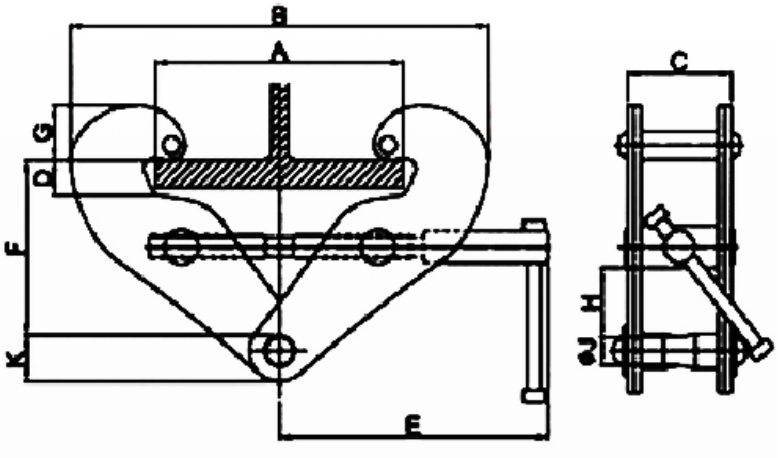
| | MODEL | | | |
|---|---|---|---|---|
| **Description** | **FHRL-75** | **FHRL-150** | **FHRL-300** | **FHRL-600** |
| **CAPACITY (T)** | 0.75 | 1.5 | 3 | 6 |
| **STANDARD LIFT (M)** | 1.5 | 1.5 | 1.5 | 1.5 |
| **LOAD CHAIN** | LINK TYPE ALLOY STEEL GRADE 100 | | | |
| **NO. OF FALL** | 1 | 1 | 1 | 2 |
| **CHAIN DIA.( mm)** | 5 | 8 | 10 | 10 |
| **DIMENSIONS(mm)** | | | | |
| **A** | 148 | 176 | 195 | 195 |
| **B** | 88 | 102 | 109 | 109 |
| **C** | 135 | 162 | 211 | 254 |
| **D** | 40 | 45 | 58 | 64 |
| **H** | 320 | 380 | 480 | 620 |
| **L** | 290 | 420 | 420 | 420 |
| **K** | 34 | 38 | 48 | 52 |
| **EFFORT REQUIRED FOR RATED LOAD (N)** | 140 | 220 | 320 | 340 |
| **WEIGHT WITH STD. LIFT ( Kg)** | 7.7 | 11.8 | 21 | 32 |
| **EXTRA WEIGHT PER METER OF EXTRA LIFT (Kg)** | 0.8 | 2.15 | 2.2 | 4.3 |

# Ferreterro Beam Clamp

- Are made with High strength Alloy steel .
- Individual clamp is proof tested with 2 times the load of working load limit.
- Company name with logo (FERRETERRO), working load limit (WLL) and jaw opening all are mentioned on the clamps.
- Individual serial no. and test certificate of proof load is provided with the clamps.
- Maintenance replacements parts are available.
- ISO 9001 certification.

- Versatile jaws designed to mount on a wide range or tapered or flat beams.
- Build-in suspension bar allows for low headroom.
- Easily installed and adjusted by hand.
- Provides temporary or permanent mounting point for hook mounted hoists or lever pullers.
- Designed to minimize stress applied to beam.
- Range from 1 ton to 20 ton.
- Large capacities available on request.

| Model | WLL | Beam Width | B | C | D | E | F | ØJ | Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|
| | (ton) | A | | | | | | | |
| BC-1 | 1 | 76-228 | 182-333 | 77 | 26 | 190 | 144-117 | Ø20 | 4 |
| BC-2 | 2 | 76-228 | 182-333 | 85 | 26 | 190 | 144-117 | Ø20 | 5.1 |
| BC-3 | 3 | 70-320 | 214-460 | 107 | 35 | 240 | 224-175 | Ø22 | 9.9 |
| BC-5 | 5 | 70-320 | 214-460 | 121 | 35 | 240 | 220-175 | Ø28 | 11 |
| BC-10 | 10 | 90-320 | 320-505 | 121 | 35 | 280 | 235-175 | Ø40 | * |
| BC-20 | 20 | 180-450 | * | 220 | 65 | * | * | * | * |



# Ratchet Lashing

• More than a dozen various ratchet straps are available in our store, so we can satisfy almost any need. Ratchet straps are available in sizes ranging
from 25 mm to 100 mm in width.
• In accordance with CVSA recommendations, DOT rules, and WSTDA standards, the strap has a label that specifies the working load limit.
• **FERRETERRO RATCHET** is manufactured by the European standard EN12195-2.
• A web offers excellent breaking strength as well as resistance to cuts and abrasions.
• All ratchet are easy to grip and have a protective zinc coating.
• All end fitting assemblies like flat hooks, D rings, wire hooks ,or chain anchors etc. have a protective layer of zinc coating or powder coating to stave off corrosion and deterioration over time.

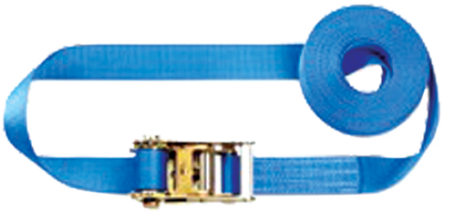
## 1” 25MM CAM BUCKLE STRAP

**Working Load Limit**400 lbs./185 kgs.
Available with Double J Hooks and Endless configuration.

## 1” 25MM RATCHET STRAP

**Working Load Limit**500 lbs./230 kgs.
Available with Double J Hooks and Endless configuration.

## 1 ½” Ratchet Strap



RA3530 endless

FITTING OPTIONS

## 2” RATCHET STRAP WITH ALUMINIUM & FINGERGRIP PLASTIC HANDLE

**27’**
**30’**
With Flat Hooks
**Working Load Limit:** 3,335 lbs./1513 kgs.

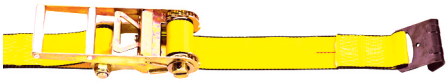
**27’**
**30’**
With Chain Anchors
**Working Load Limit:** 3,335 lbs./1513 kgs.

**30’**
With Wire Hooks
**Working Load Limit:** 1,670 lbs./757 kgs.

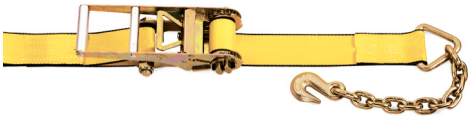
**27’**
**30’**
With Wire Hooks
**Working Load Limit:** 3,335 lbs./1513 kgs.

**27’**
**30’**
With Flat Hooks, Abrasion Clip
**Working Load Limit:** 3,335 lbs./1513 kgs.

## 3” RATCHET STRAP WITH ALUMINIUM HANDLE



**27’**
**30’**
With Flat Hooks
**Working Load Limit:** 5,400 lbs./2450 kgs.

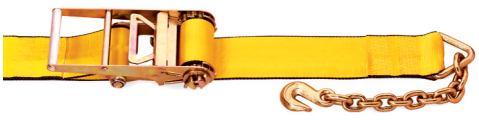


**27’**
**30’**
With Chain Anchors
**Working Load Limit:** 5,400 lbs./2450 kgs.

**30’**
With Narrow Hooks
**Working Load Limit:** 5,400 lbs./2450 kgs.

## 4” RATCHET STRAP WITH ALUMINIUM HANDLE

**27’**
**30’**
With Flat Hooks, Abrasion Clip
**Working Load Limit:** 5,400 lbs./2450 kgs.



**30’**
With 3705-3 Chain Anchors
**Working Load Limit:** 5,400 lbs./2450 kgs.

**27’**
**30’**
With Wire Hooks
**Working Load Limit:** 6,670 lbs./3025 kgs.

**Flat Hook**

**Narrow Hook**

**Chain Anchor**

**Delta Ring**

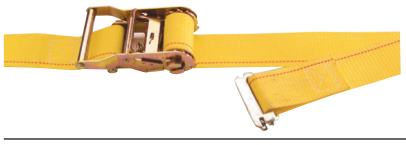
# Logistic Straps

Ferreterro logistic straps are designed to take care of most interior van loading requirements and are tagged to comply with North American Cargo Securement Standards. All straps have a 4’ fixed end as standard. Adjustable ends are sewn captivated.

## 2” Logistic Straps With Ratchet Buckle

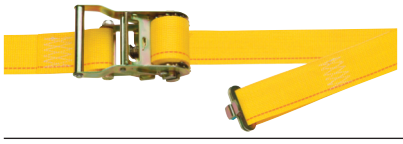
12’
16’
20’

**End Hardware:** Series E or A FE8306-1 Spring Fitting
**Working Load Limit:** 1,000 lbs./455 kgs.



12’
16’
20’

**End Hardware:** Series E or A 43020-1 3-Piece Fitting
**Working Load Limit:** 1,000 lbs./455 kgs.

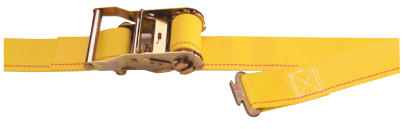


12’
16’
20’

**End Hardware:** 1831 3/4” Hole F-Track Fitting
**Working Load Limit:** 500 lbs./230 kgs.

12’
16’
20’

**End Hardware:** 1005 Narrow Hook
**Working Load Limit:** 500 lbs./230 kgs.



12’
16’
20’

**End Hardware:** C1823 1” Hole F-Track Fitting
**Working Load Limit:** 670 lbs./305 kgs.

## 2” Logistic Straps With Cam Buckle

12’
16’
20’

**End Hardware:** Series E or A FE8306-1 Spring Fitting
**Working Load Limit:** 835 lbs./380 kgs.

12’
16’

**End Hardware:** Series E or A 43020-1 3-Piece Fitting
**Working Load Limit:** 835 lbs./380 kgs.

12’
16’

**End Hardware:** 1831 3/4” Hole F-Track Fitting
**Working Load Limit:** 500 lbs./230 kgs.

12’
16’
20’

**End Hardware:** 1005 Narrow Hook
**Working Load Limit:** 500 lbs./230 kgs.

## 2” Logistic Straps

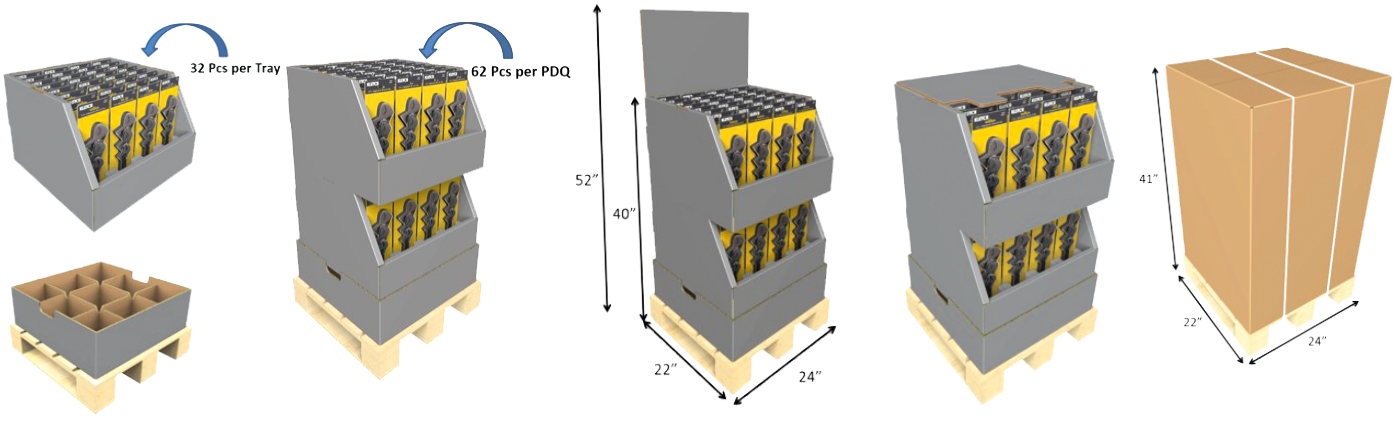
12’ Yellow Webbing with E-Fitting
**Working Load Limit:** 1,500 lbs./680 kgs.

16’ Grey Webbing with E-Fitting
**Working Load Limit:** 1,500 lbs./680 kgs.

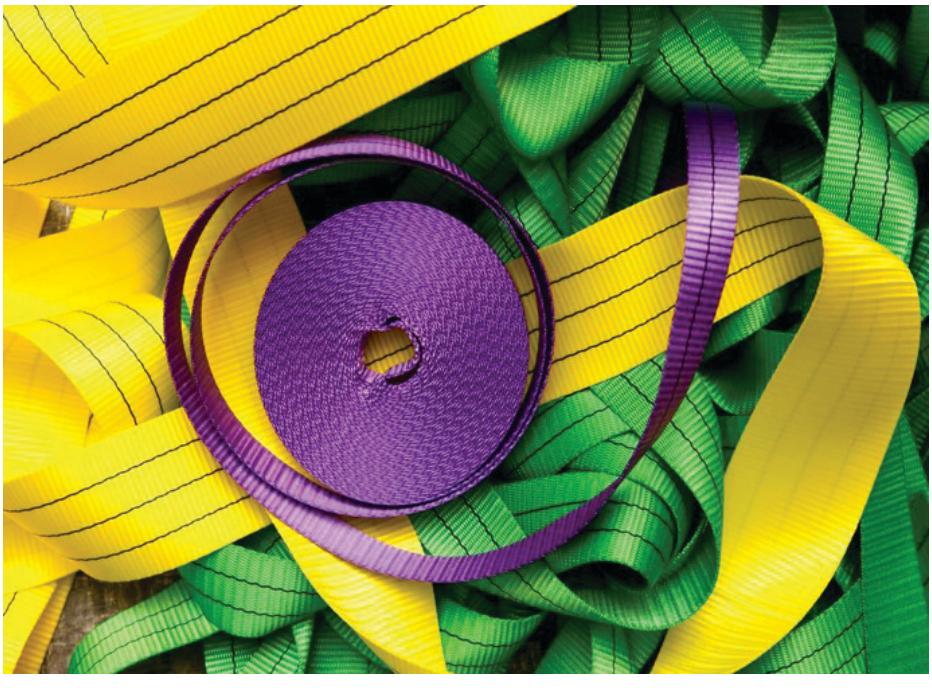
20’ Blue Webbing with E-Fitting
**Working Load Limit:** 1,500 lbs./680 kgs.

# PDQ Displays

We have large range of PDQ display Trays, Bins, Boxes, Pales, Packs which can be straightaway used with custom artwork.
We also design and develop PDQ and retail packaging as per requirements.




# Webbing



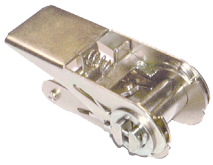
We manufacture large range of technical textile webbing from yarns like Polyester, Nylon, Nylon 66, Aramids, Para Aramids, UHMPE, Meta Aramids, Carbon Fiber, Reflective, Split, Tubular , 3D , 4D and 6D webbing from 13 mm to 450 mm with several post weaving treatments with Resins, Polyurethanes, Ceramic, Polymers and Carbon.

Patented application webbing for SPACE, Aerospace, Defence, Sub sea and all technical textile webbing are developed in house.

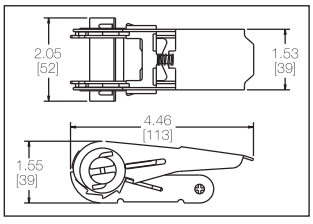
# Ratchet Buckles

We offer a complete line of ratchet buckles to handle all types of tie-down applications. All buckles are designed for strength, durability and ease of operation. Ratchet buckles are available for webbing widths 1" to 4" with various handle configurations to satisfy user preferences.
Ferreterro ratchet buckles are made from heat treated carbon steel with a zinc plated finish for corrosion protection.

## 1" Standard Handle



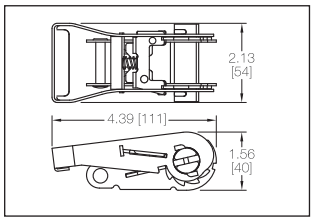
RB2508




**Working Load Limit:** 500 lbs./230 kgs.
**Weight:** 0.51 lbs./0.23 kgs.

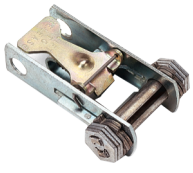
## 1" Wide Handle

RB2516

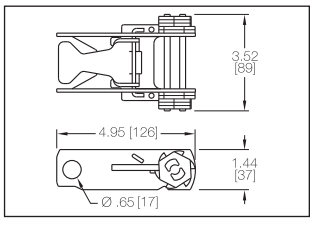



**Working Load Limit:** 500 lbs./230 kgs.
**Weight:** 0.54 lbs./0.24 kgs.

## 1-3/4" Wrench Drive Lift-to-Release



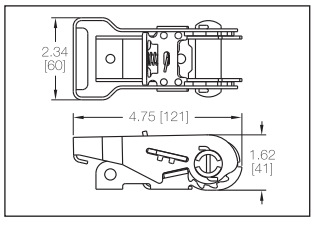
RB3535




**Working Load Limit:** 1,235 lbs./560 kgs.
**Weight:** 1.3 lbs./0.6 kgs.

## 1" Wide Handle

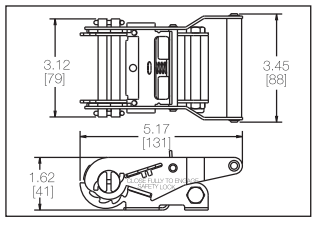
RB2516WH




**Working Load Limit:** 1,100 lbs./500 kgs.
**Weight:** 0.74 lbs./0.34 kgs.

## 2" Standard Handle

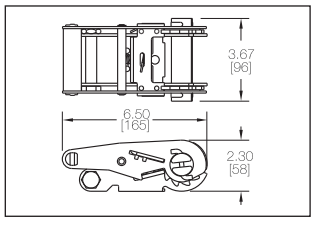
RB5020




**Working Load Limit:** 1,670 lbs./751 kgs.
**Weight:** 1.15 lbs./0.52 kgs.

## 2" Standard Handle

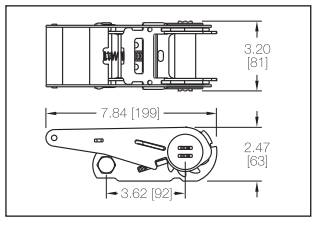
RB5050SH




**Working Load Limit:** 3,670 lbs./1665 kgs.
**Weight:** 2.25 lbs./1.02 kgs.

## 2" Long Handle

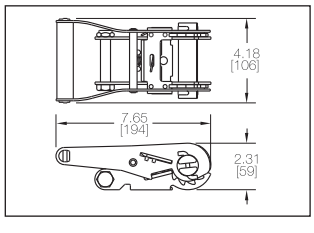
RB5050FH




**Working Load Limit:** 3,750 lbs./1705 kgs.
**Weight:** 2.57 lbs./1.17 kgs.

## 2" Wide Handle

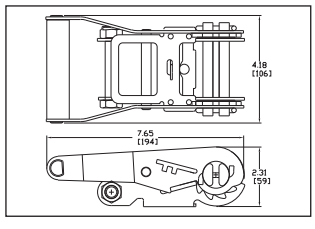
RB5050 SHORT




**Working Load Limit:** 4,000 lbs./1814 kgs.
**Weight:** 2.41 lbs./1.09 kgs.

## 2" Standard Handle with Wide Release

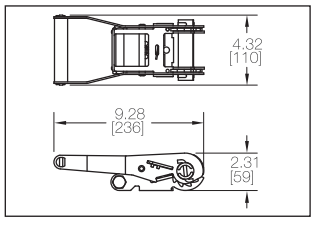
RB5050




**Working Load Limit:** 3,670 lbs./1665 kgs.
**Weight:** 2.41 lbs./1.09 kgs.

## 2" Long Wide Handle

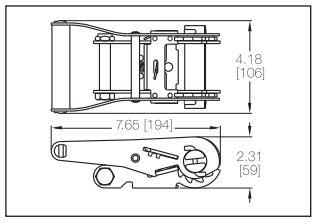
RB5050LH




**Working Load Limit:** 4,000 lbs./1814 kgs.
**Weight:** 2.44 lbs./1.11 kgs.

## 2” Stainless Steel With Wide Handle

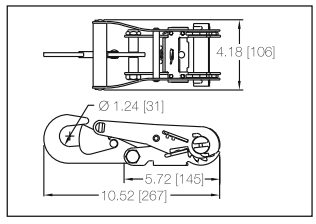
RB5040SS




**Working Load Limit:** 2,935 lbs./1335 kgs.
**Weight:** 2.91 lbs./1.32 kgs.

## 2” Wide Handle With Hook

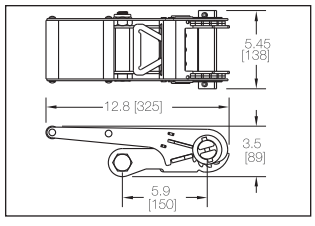
RB5050SNAP




**Working Load Limit:** 3,670 lbs./1665 kgs.
**Weight:** 3.21 lbs./1.46 kgs.

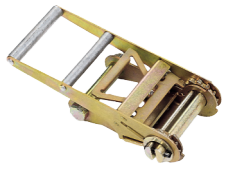
## 3” Long Handle

RB75100

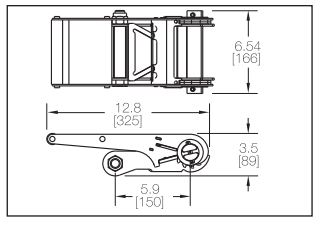



**Working Load Limit:** 5,670 lbs./2575 kgs.
**Weight:** 7.09 lbs./3.26 kgs.

## 4” Long Handle



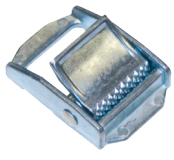
RB10100



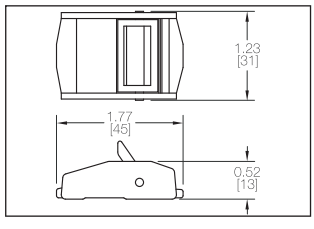

**Working Load Limit:** 8,000 lbs./3630 kgs.
**Weight:** 8.17 lbs./3.71 kgs.

# Cam Buckles

## 1” Cam Buckle



CB2504

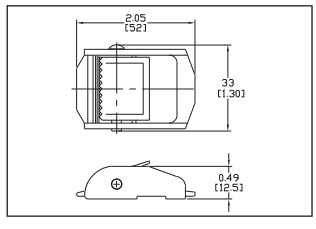



**Working Load Limit:** 200 lbs./95 kgs.
**Weight:** 0.08 lbs./0.04 kgs.

60

## 1” Cam Buckle

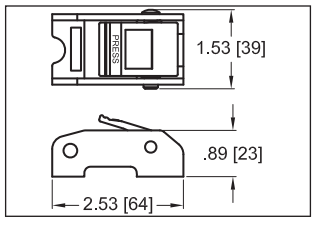
CB2505




**Working Load Limit:** 235 lbs./110 kgs.
**Weight:** 0.13 lbs./0.06 kgs.

## 1” Cam Buckle One-Piece Frame

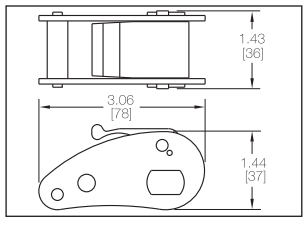
CB2507




**Working Load Limit:** 500 lbs./226 kgs.
**Weight:** 0.27 lbs./0.12 kgs.

## 1” Cam Buckle

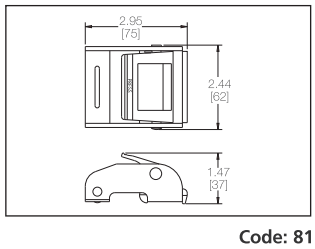
CB2507DC




**Working Load Limit:** 835 lbs./380 kgs.
**Weight:** 0.44 lbs./0.20 kgs.

## 2” Cam Buckle

Cb5014

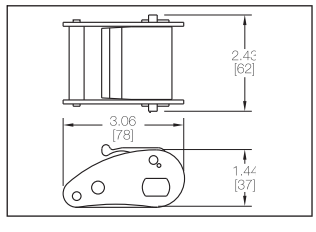



**Working Load Limit:** 835 lbs./380 kgs.
**Weight:** 0.58 lbs./0.26 kgs.

**Code:** 81
**Webbing:** 4900

## 2” Cam Buckle

CB5015DC

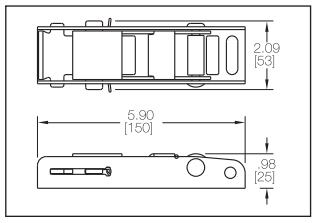



**Working Load Limit:** 835 lbs/380 kgs.
**Weight:** 0.69 lbs./0.31 kgs.

# OverCenter Buckles

Ferreterro overcenter buckles enable the user to put additional tension on the strap through an effective overcenter toggle action with minimum wear to the webbing.
Our overcenter buckles are made from carbon steel with either a zinc plated, powder coated or stainless steel finish.

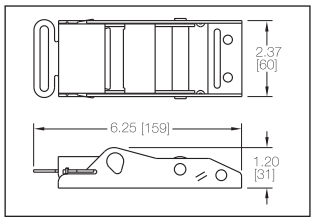
## 1" Overcenter Buckle




**OCB2510**

**Working Load Limit:** 1,000 lbs./455 kgs.
**Weight:** 0.7 lbs./0.3 kgs.

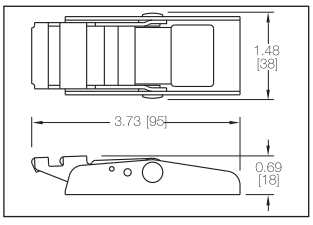
## 1-3/4" Overcenter Buckle Stainless Steel




**OCB3512SS**

**Working Load Limit:** 1,000 lbs./455 kgs.
**Weight:** 0.76 lbs./0.34 kgs.

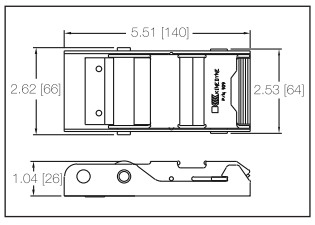
## 1-3/4" Overcenter Buckle




**OCB3510**

**Working Load Limit:** 335 lbs./155 kgs.
**Weight:** 0.2 lbs./0.1 kgs.

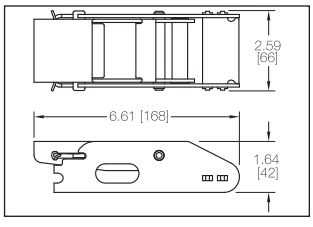
## 2" Overcenter Buckle




**OCB5020**

**Working Load Limit:** 1,335 lbs./605 kgs.
**Weight:** 0.64 lbs./0.29 kgs.

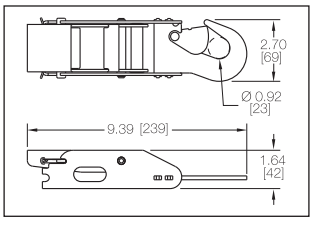
## 1-3/4" OverCenter Buckle




**OCB3515**

**Working Load Limit:** 1,670 lbs./760 kgs.
**Weight:** 1.1 lbs./0.5 kgs.

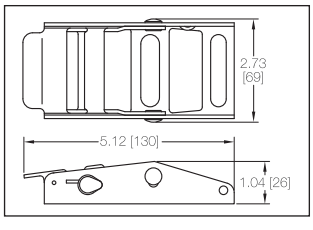
## 1-3/4" OverCenter Buckle With Hook




**OCB3515H**

**Working Load Limit:** 1,670 lbs./760 kgs.
**Weight:** 1.4 lbs./0.6 kgs.

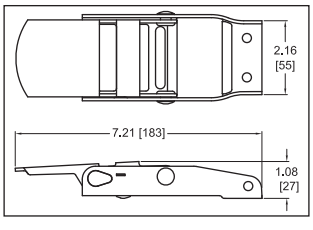
## 2" OverCentre Buckle




**OCB5020S**

**Working Load Limit:** 500 lbs./230 kgs.
**Weight:** 0.56 lbs./0.25 kgs.

## 1-3/4" OverCenter Buckle Black




**OCB4020**

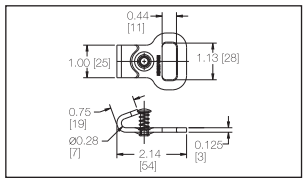
**Working Load Limit:** 600 lbs./275 kgs.
**Weight:** 0.62 lbs./0.28 kgs.

# Flat Hooks

Ferreterro flat hooks are made from heat treated carbon steel and are either zinc plated or black e-coated.

### 1" Flat Hook With Keeper

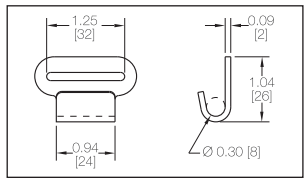
**FH2511K**




**Working Load Limit:** 1,150 lbs./525 kgs.
**Weight:** 0.1 lbs./0.05 kgs.

### 1" Flat Hook

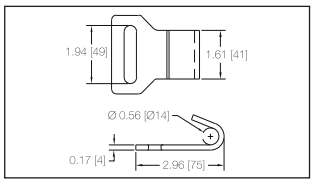
**FH2505**




**Working Load Limit:** 235 lbs./110 kgs.
**Weight:** 0.04 lbs./0.02 kgs.

### 2" Flat Hook

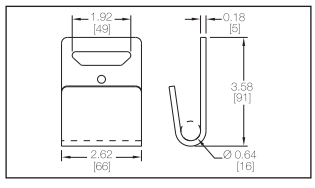
**FH5030**




**Working Load Limit:** 1,835 lbs./835 kgs.
**Weight:** 0.40 lbs./0.18 kgs.

### 2" Flat Hook

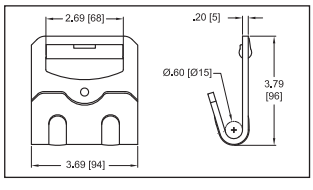
**FH5050**




**Working Load Limit:** 3,335 lbs./1515 kgs.
**Weight:** 0.68 lbs./0.31 kgs.**Weight:** 0.9 lbs./0.4 kgs.

### 4" Flat Hook With Abrasion Clip

**FH7580**



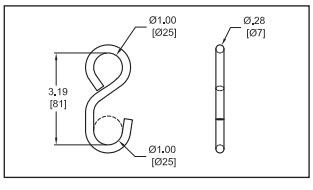

**Working Load Limit:** 5,400 lbs./2450 kgs.
**Weight:** 1.09 lbs./0.49 kgs.

# S Hooks

Ferrreterro S Hooks are either zinc plated or black e-coated or black vinyl coated.

### 1" S Hook

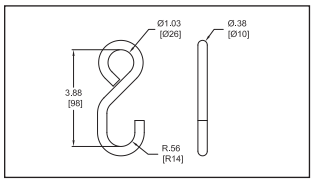
**SH1** - Zinc Plated




**Working Load Limit:** 170 lbs./80 kgs.
**Weight:** 0.14 lbs./0.06 kgs.

### 1" HD S Hook

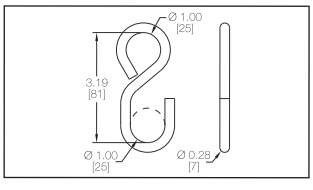
**SH2** - Zinc Plated




**Working Load Limit:** 500 lbs./230 kgs.
**Weight:** 0.29 lbs./0.13 kgs.

### 1" S Hook

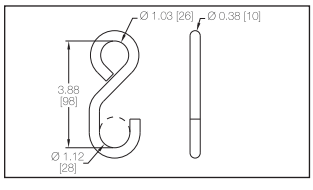
**SH3** - Vinyl Coated




**Working Load Limit:** 170 lbs./80 kgs.
**Weight:** 0.15 lbs./0.07 kgs.

### 1" HD S Hook

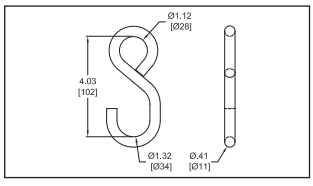
**SH4** - Vinyl Coated




**Working Load Limit:** 500 lbs./230 kgs.
**Weight:** 0.31 lbs./0.14 kgs.

### 4” S Hook

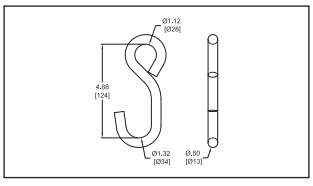
**SH5** - E-Coated




**Working Load Limit:** 1,000 lbs./455 kgs.
**Weight:** 0.39 lbs./0.18 kgs.

### 4” HD S Hook

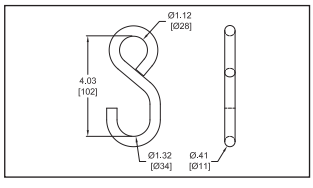
**SH6** - E-COATED




**Working Load Limit:** 1,800 lbs./818 kgs.
**Weight:** 0.61 lbs./0.28 kgs.

### 4” S Hook

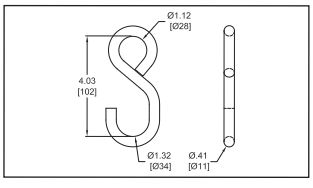
**SH7** - Zinc Plate




**Working Load Limit:** 1,000 lbs./455 kgs.
**Weight:** 0.39 lbs./0.18 kgs.

### 4” S Hook

**SH8** - Vinyl Coated

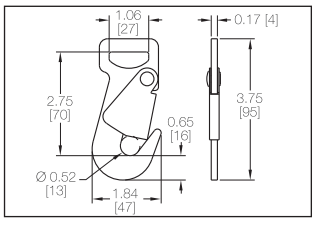



**Working Load Limit:** 1,000 lbs./455 kgs.
**Weight:** 0.41 lbs./0.19 kgs.

# Snap Hook

### 1” Snap Hook

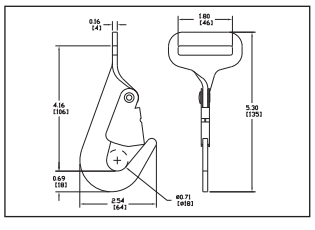
**FSH2508**




**Working Load Limit:** 1,835 lbs./835 kgs.
**Weight:** 0.22 lbs./0.10 kgs.

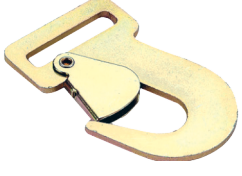
### 1-3/4” Twisted Snap Hook

**TSH3520**

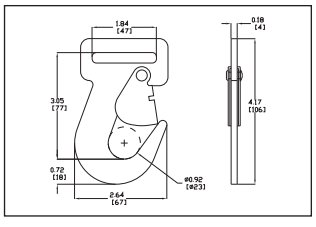


**Working Load Limit:** 1,670 lbs./760 kgs.
**Weight:** 0.3 lbs./0.2 kgs.

### 2” Snap Hook



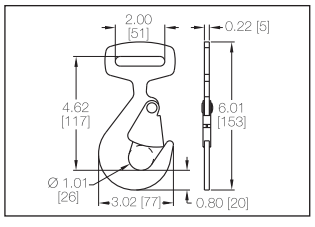
**FSH5020**



**Working Load Limit:** 2,000 lbs./910 kgs.
**Weight:** 0.37 lbs./0.17 kgs

### 2” Snap Hook

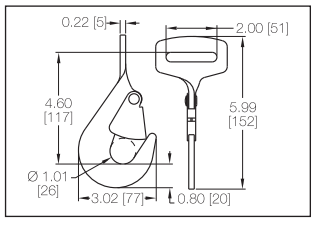
**FSH5050**




**Working Load Limit:** 3,335 lbs./1515 kgs.
**Weight:** 0.69 lbs./0.31 kgs.

### 2” Twisted Snap Hook

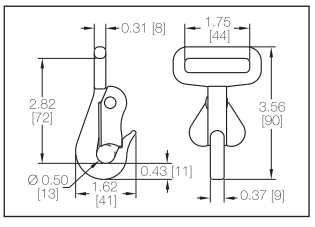
**TSH5050**




**Working Load Limit:** 3,335 lbs./1515 kgs.
**Weight:** 0.70 lbs./0.32 kgs.

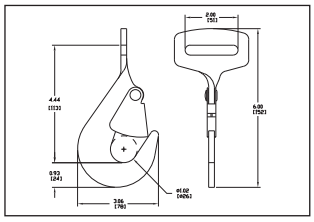
### 1-3/4” Forged Snap Hook

**PARA HOOK**




**Working Load Limit:** 1,670 lbs./760 kgs.
**Weight:** 0.36 lbs./0.16 kgs.

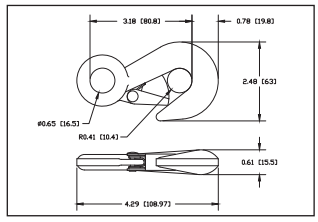
### 2” Twisted Snap Hook Stainless Steel



**TSH5050SS**

**Working Load Limit:** 1,670 lbs./760 kgs.
**Weight:** 0.70 lbs./0.32 kgs.

### Eye-Hole Snap Hook

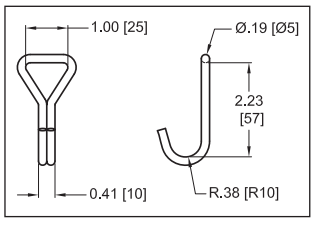


**5050FORGED**

**Working Load Limit:** 3,335 lbs./1515 kgs.
**Weight:** 0.56 lbs./0.25 kgs.

# Wire Hooks

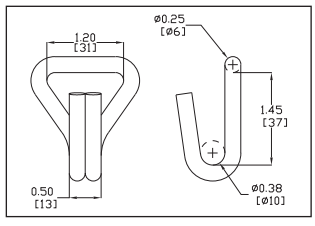
### 2” U Hook




**WH5010U**

**Working Load Limit:** 167 lbs./76 kgs.
**Weight:** 0.07 lbs./0.03 kgs.

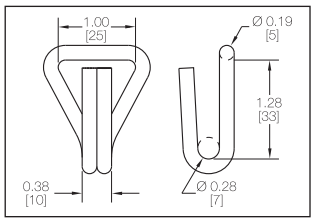
### 2” HD Narrow Hook




**WH5010S**

**Working Load Limit:** 835 lbs./380 kgs.
**Weight:** 0.12 lbs./0.05 kgs.

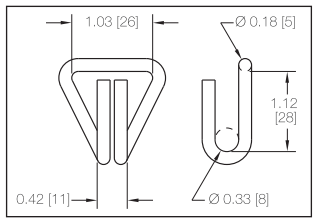
### 1” Narrow Hook




**WH2510**

**Working Load Limit:** 170 lbs./80.0 kgs.
**Weight:** 0.1 lbs./0.02 kgs.

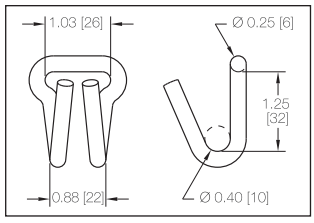
### 1” Narrow Hook




**WH2511**

**Working Load Limit:** 267 lbs./120 kgs.
**Weight:** 0.05 lbs./0.02 kgs.

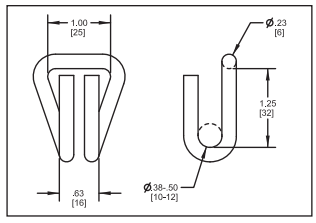
### 1” Open Hook




**WH25CHAIN**

**Working Load Limit:** 1,000 lbs./455 kgs.
**Weight:** 0.10 lbs./0.05 kgs.

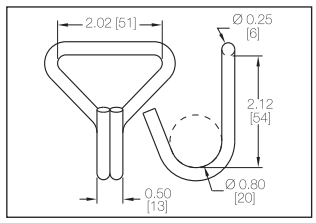
### 1” Narrow Hook




**WH2516**

**Working Load Limit:** 900 lbs./410 kgs.
**Weight:** 0.10 lbs./0.04 kgs.

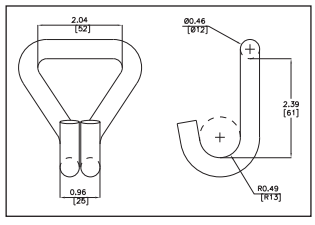
### 2” Narrow Hook




**WH5020**

**Working Load Limit:** 500 lbs./230 kgs.
**Weight:** 0.18 lbs./0.08 kgs.

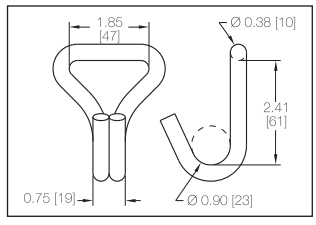
## 2” HD Narrow Hook




**WH5050**

**Working Load Limit:** 3,700 lbs./1700 kgs.
**Weight:** 0.62 lbs./0.28 kgs.

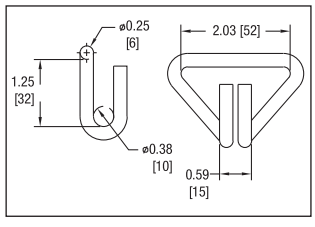
## 2” Narrow Hook




**WH5030**

**Working Load Limit:** 1,670 lbs./760 kgs.
**Weight:** 0.38 lbs./0.17 kgs.

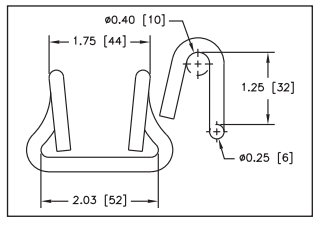
## 2” Wire Hook




**WH5015**

**Working Load Limit:** 835 lbs./380 kgs.
**Weight:** 0.12 lbs./0.06 kgs.

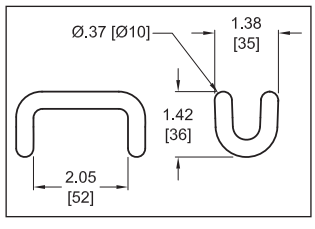
## 2” Open Hook




**WH5015D**

**Working Load Limit:** 835 lbs./380 kgs.
**Weight:** 0.11 lbs./0.05 kgs.

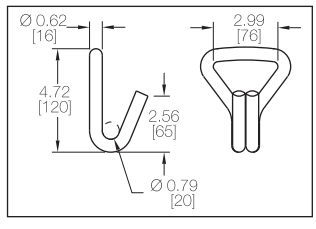
## Rave Hook




**CRH5020**

**Working Load Limit:** 1,000 lbs./455 kgs.
**Weight:** 0.10 lbs./0.05 kgs.

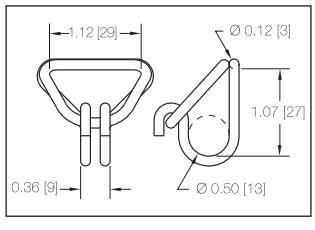
## 3” Narrow Hook




**WH75100**

**Working Load Limit:** 7,333 lbs./3330 kgs.
**Weight:** 1.40 lbs./0.64 kgs.

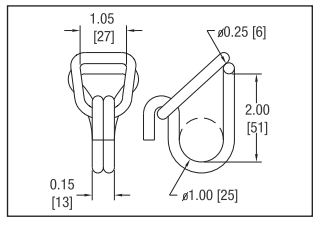
## Rave Hook and Keeper




**SH3530**

**Working Load Limit:** 400 lbs./185 kgs.
**Weight:** 0.04 lbs./0.02 kgs.

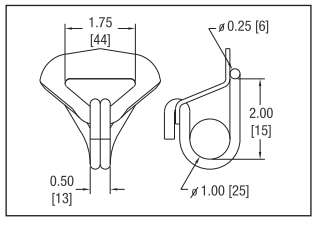
## 1” Hook and Keeper




**SH2520**

**Working Load Limit:** 3,000 lbs./1360 kgs.
**Weight:** 0.30 lbs./0.14kgs.

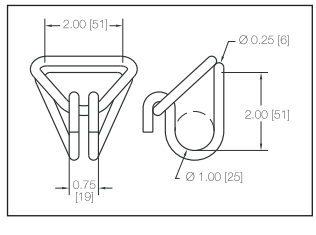
## 1-3/4” Hook and Keeper




**SH5030**

**Working Load Limit:** 1,670 lbs./757 kgs.
**Weight:** 0.30 lbs./0.14 kgs.

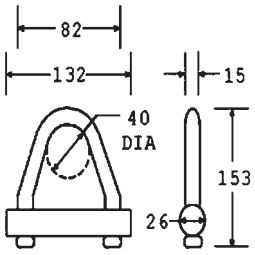
## 2” Hook and Keeper



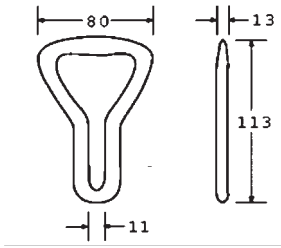

**SH5050**

**Working Load Limit:** 1,670 lbs./757 kgs.
**Weight:** 0.28 lbs./0.13 kgs.

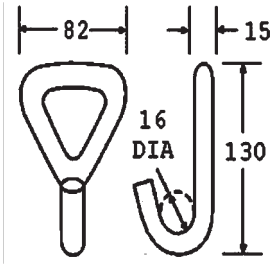
**DR75120DEM**



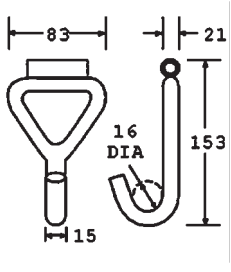

**CL5050DF**



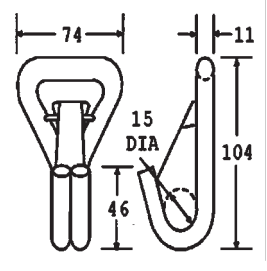

**WH5050SIN**



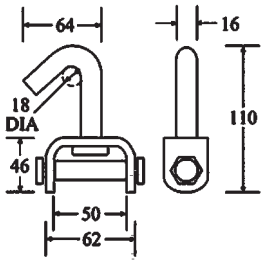

**WH5050SINT**



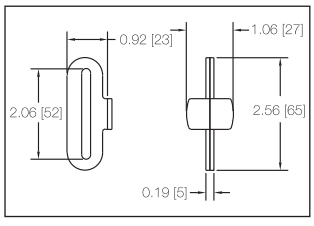

**WH5050SNAP**




**CTH5050B**



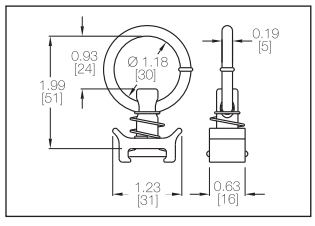

## Series F 2-Piece Butterfly Fitting




**T1831**

**Working Load Limit:** 500 lbs./230 kgs.
**Weight:** 0.1 lbs./0.05 kgs.

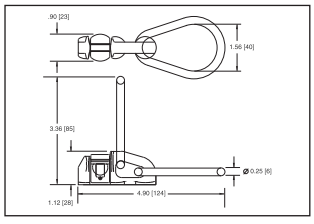
## Series L Single Stud Fitting With Ring




**TCSS1**

**0° Vertical Working Load Limit:** 1,333 lbs./605 kgs.
**45° Pull Angle Working Load Limit:** 1,000 lbs./455 kgs.
**90° Horizatonal Pull Angle Working Load Limit:** 1,000 lbs./455 kgs.
**Weight:** 0.09 lbs./0.04 kgs.

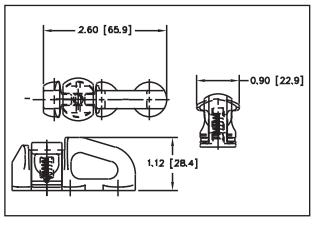
## Heavy Duty Series L Triple Stud Fitting With Pear Shaped Ring



**AVIFIT1R**

**0° Vertical Working Load Limit:** 2,000 lbs./910 kgs.
**60° Pull Angle Working Load Limit:** 2,000 lbs./910 kgs.
**90° Horizontal Pull Angle Working Load Limit:** 1,670 lbs./760 kgs.
**Weight:** 0.34 lbs./0.15 kgs.

## Series L Single Stud Fitting Without Ring

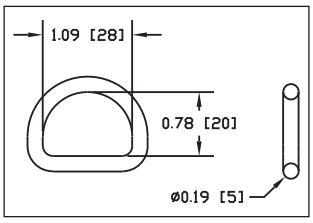



**AVIFIT1**

**0° Vertical Working Load Limit:** 2,167 lbs./985 kgs.
**60° Pull Angle Working Load Limit:** 2,000 lbs./910 kgs.
**90° Horizontal Pull Angle Working Load Limit:** 1,670 lbs./760 kgs.
**Weight:** 0.23 lbs./0.10 kgs.

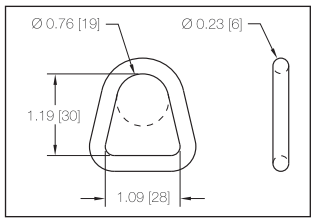
# Rings

## 1” D-Ring



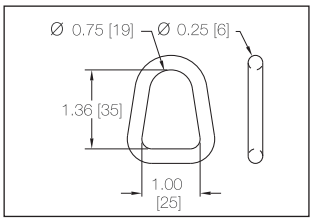

**DR2510**
**Working Load Limit:** 335 lbs./150 kgs.
**Weight:** 0.02 lbs./0.01 kgs.

## 1” Delta Ring R-Series



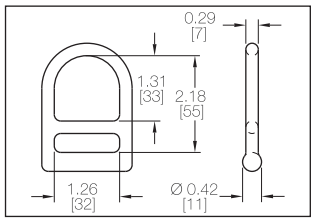

**DR2512**
**Working Load Limit:** 1,335 lbs./605 kgs.
**Weight:** 0.06 lbs./0.03 kgs.

## 1” D-Ring



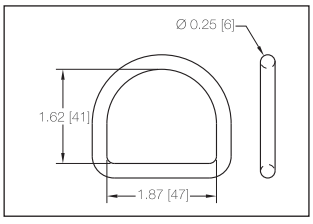

**DR2516**
**Working Load Limit:** 1,670 lbs./757 kgs.
**Weight:** 0.08 lbs./0.04 kgs.

## 1” D-Ring



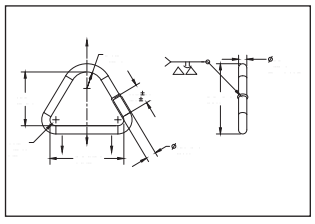

**DR25162A**
**Working Load Limit:** 2,170 lbs./985 kgs.
**Weight:** 0.2 lbs./0.1 kgs.

## 1-3/4” D-Ring



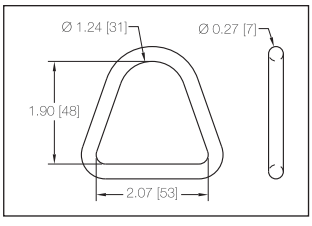

**DR3515**
**Working Load Limit:** 1,335 lbs./605 kgs.
**Weight:** 0.11 lbs./0.05 kgs.

## 2” D-Ring



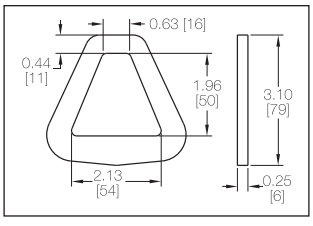
**DR5020**
**Working Load Limit:** 1,000 lbs./455 kgs.
**Weight:** 0.10 lbs./0.05 kgs.

## 2” D-Ring



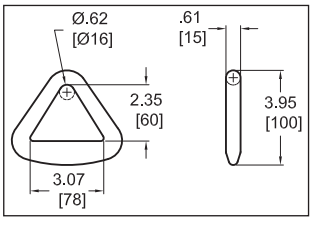

**DR5030**
**Working Load Limit:** 1,670 lbs./760 kgs.
**Weight:** 0.10 lbs./0.06 kgs.

## 2” Flat Delta Ring



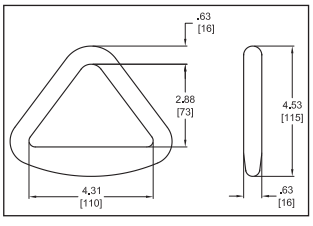

**DR5050F**
**Working Load Limit:** 3,335 lbs./1515 kgs.
**Weight:** 0.32 lbs./0.15 kgs.

## 3” Delta Ring




**DR75100DF**
**Working Load Limit:** 6,000 lbs./2720 kgs.
**Weight:** 0.80 lbs./0.36 kgs.

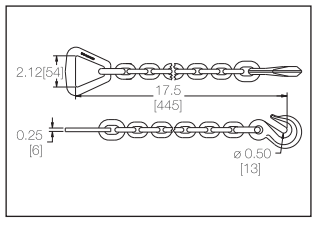
## 4” Delta Ring




**DR10100DF**
**Working Load Limit:** 6,670 lbs./3025 kgs.
**Weight:** 1.25 lbs./0.57 kgs.

# Chain Ends

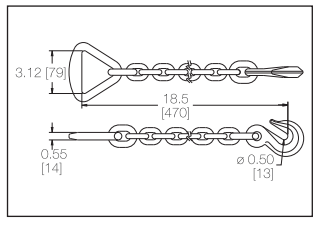
## 2” Chain Anchor




**CA5050**

**Working Load Limit:** 3,335 lbs./1515 kgs.
**Weight:** 2.67 lbs./1.21 kgs.

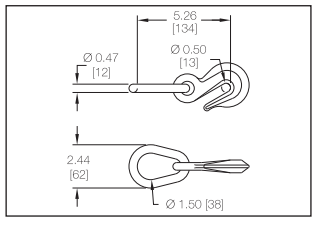
## 3”-4” Chain Anchor




**CA75100**

**Working Load Limit:** 5,400 lbs./2450 kgs.
**Weight:** 3.76 lbs./1.71 kgs.

## 3/8” Grab Hook Assembly



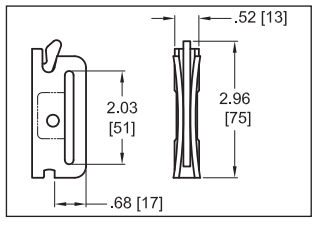

**HR10R**

**Working Load Limit:** 5,400 lbs./2450 kgs.
**Weight:** 1.4 lbs./0.6 kgs.
**Use With:** 5/16“ and 3/8“ chain

# Logistics Track Fitting

Ferreterro logistic track fittings are made from carbon steel and zinc plated for corrosion resistance.

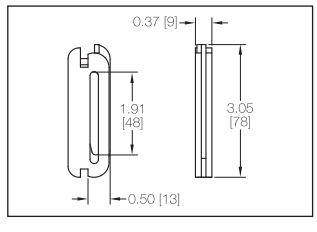
## Series E or A Spring Loaded Fitting




**EF5020**

**Working Load Limit:** 1,500 lbs./680 kgs.
**Weight:** 0.22 lbs./0.10 kgs.

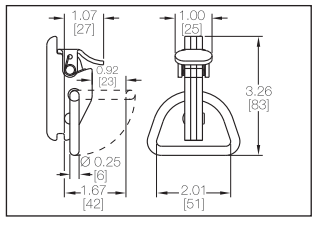
## Series E or A 3-Piece Fitting




**EF5020S**

**Working Load Limit:** 1,000 lbs./455 kgs.
**Weight:** 0.2 lbs./0.1 kgs.

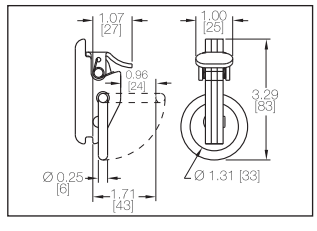
## Series E or A Fitting With 2: D-Ring




**EF5030D**

**Working Load Limit:** 2,000 lbs./910 kgs.
**Weight:** 0.46 lbs./0.21 kgs.

## Series E or A Fitting With 1” Ring

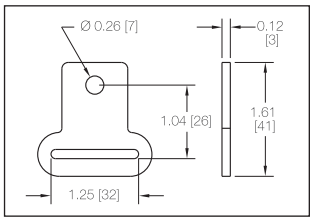



**EF5030(O)**

**Working Load Limit:** 2,000 lbs./910 kgs.
**Weight:** 0.31 lbs./0.14 kgs.

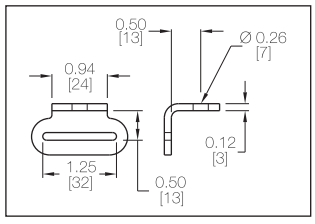
# END Fittings

## 1” Strap End Mounting Plate



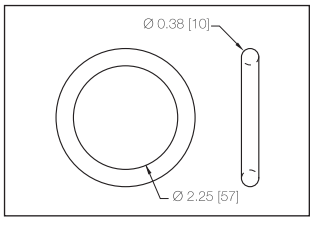

**MP50P1**
**Working Load Limit:** 335 lbs./155 kgs.
**Weight:** 0.05 lbs./0.03 kgs.

## 1” Strap End Mounting Plate



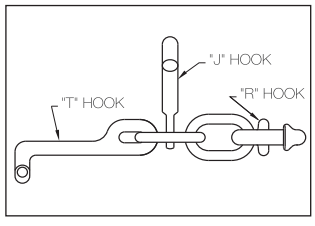

**MP50P2**
**Working Load Limit:** 250 lbs./115 kgs.
**Weight:** 0.06 lbs./0.03 kgs.

## 2” Circular Ring




**Or5050**
**Working Load Limit:** 3,335 lbs./1515 kgs.
**Weight:** 0.26 lbs./0.12 kgs.

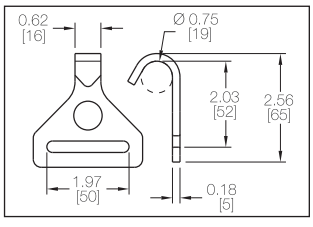
## Cluster Hook RTJ




**RTJ1**
**Working Load Limit:** 3,900 lbs./1770 kgs.
**Weight:** 2.22 lbs./1.01 kgs.

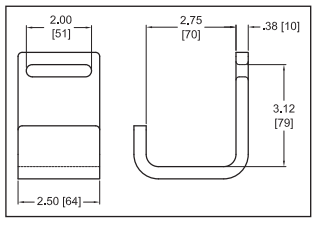
R-Hook (GM & Chrysler),
T-Hook (Ford), J-Hook (Import)

## Plate Trailer Hook



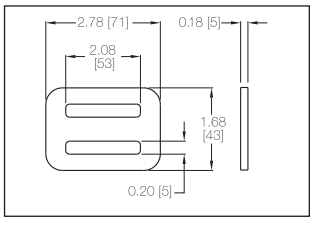

**FETH1**
**Working Load Limit:** 735 lbs./335 kgs.
**Weight:** 0.18 lbs./0.08 kgs.

## Roll-Off Container Hook



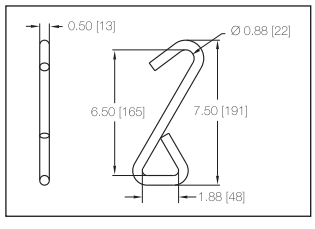

**RCH5050**
**Working Load Limit:** 5,400 lbs./2450 kgs.
**Weight:** 2.06 lbs./0.94 kgs.

## 2” Webbing Adjuster




**3BARSLIDER**
**Working Load Limit** contingent upon webbing used.
**Weight:** 0.21 lbs./0.09 kgs.

## Auto Tie-Down Hook




**WH4030**
**Working Load Limit:** 1,667 lbs./760 kgs.
**Weight:** 0.79 lbs./0.36 kgs.

# Trailer Winches

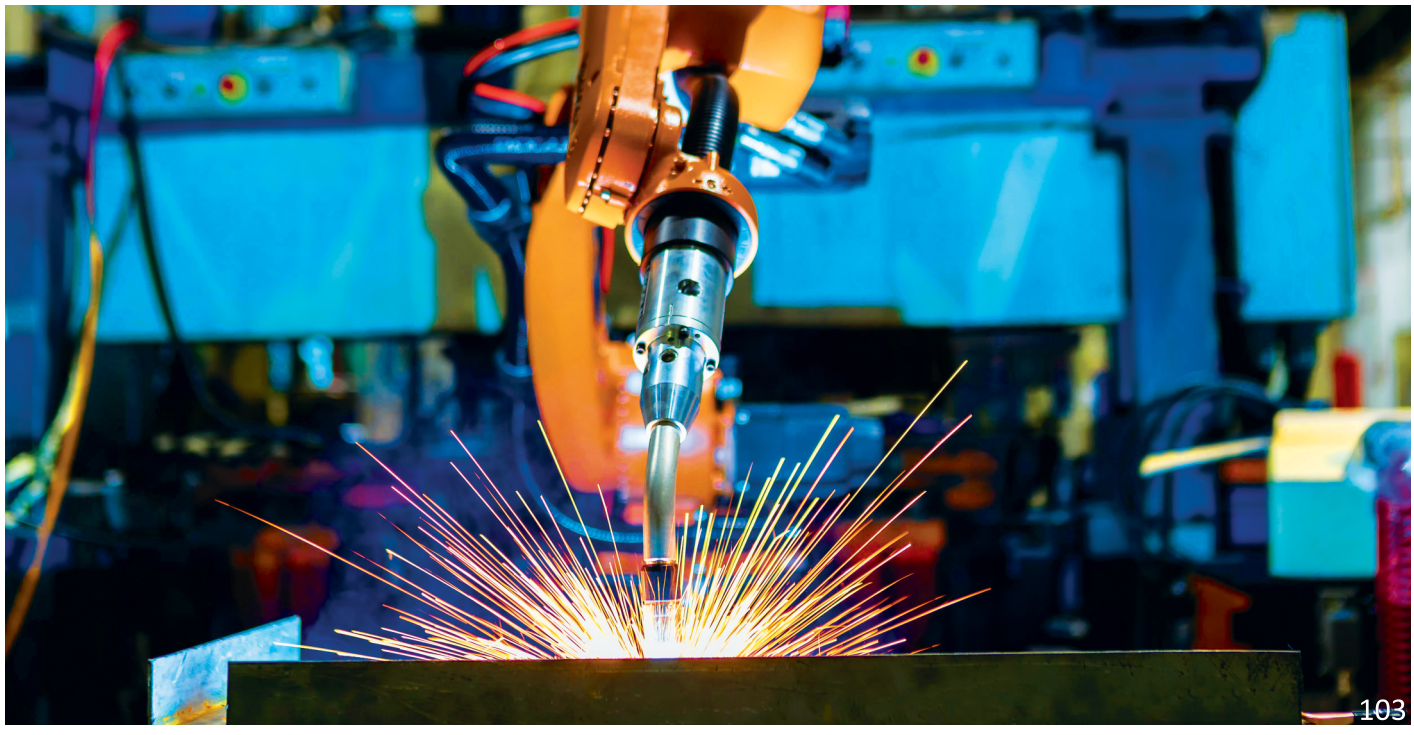
Winches serve as essential mechanisms for cargo securement on flatbed trailers and diverse vehicular platforms. Our comprehensive range of winches styles guarantees the availability of precisely tailored solutions for each application.

All our winch models are engineered to meet the stringent specifications outlined by regulatory bodies such as the Department of Transportation (DOT), California Highway Patrol (CHP),and Web Sling & Tie Down Association (WSTDA). The versatility of our offerings extends to accommodating 2", 3", or 4" web straps, cable, or hybrid configurations.

Our winches exclusively conform to right-hand models; however, customization to left-handed models is available upon request. Distinguished by variations in STANDARD, LOW PROFILE, and STORABLE sizes, our winches adapt to diverse mount locations and strap lengths. The Standard WLL Working Load Limit for all our winches are 5,500 lbs/2500 kgs.

All winches are available in Standard Black Powder coating, However are also available in **Electro Zinc, Hot Dip Galvanizing, Paint Dip and Extreme resistant DACROMET** coatings.

3 BAR variants also available.



## WELD-ON WINCHES

Weld-on winches are designed to be permanently mounted in a fixed position.

Standard

Storable

Low Profile

## PORTABLE WEBBING WINCHES

Portable winches allow flexibility of winch placement along the trailer side channel.

Standard

Low Profile

## SLIDING WINCHES ‘C’ TRACK

Sliding winches are mechanisms that easily move in both directions for positioning along a track. They firmly lock in place when tension is applied to the webbing, ensuring secure cargo fastening during transportation.

Low Profile

Standard

Storable

Standard

Storable
with small disc

Standard
with small disc

Flat Hook Receiver

Galvanized - Three-Bar
Sliding

## DOUBLE ‘LL’ SLIDING WINCHES

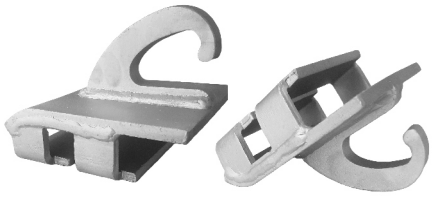
The sliding webbing LL winch provide an efficient and flexible securement system. The winch moves easily in both directions, and locks firmly in place when tension is applied.

Low Profile

Standard

Storable

3-Bar



J Hook Receiver

Flat Hook Receiver

Receiver Plate

## COMBINATION WINCHES

Double-duty combination winches are designed to be used with webbing or wire cable.

**Cable Working Load Limit:** 3335 lbs./1515 kgs.
**Web Working Load Limit:** 5,000 lbs./2270 kgs

Combination, Sliding

Standard, Weld On
with 5/8” diameter x 2” long post

Low Profile, Weld On
with 5/8” diameter x 1” long post

## BOLT-ON WEBBING WINCHES

Bolt-on winches are designed to bolt onto side rail and bottom flange of side rail.

Side Mount

Bottom Mount

## 3 BAR WINCHES

The unique 3 bar winch reel design allows for easy strap insertion, even when strap ends are frayed or slots have ice build-up.
**Working Load Limit:** 5,000 lbs./2270 kgs.
Available in C track, Double LL and Weldable type.

Low Profile

Standard

Storable

## LEG BRACKET WINCHES

Leg bracket winches are designed to be side mounted on trailers.

## WELD-ON CABLE WINCH

With 1/2" diameter hole for cable attachment.

**Working Load Limit:**
3,335 lbs./1513 kgs.

## END BOX CABLE WINCH

This special end-box cable winch is designed to be mounted on the end of trailers. With 5/8" diameter x 2" long post.

**Working Load Limit:**
5,000 lbs./2500 kgs.

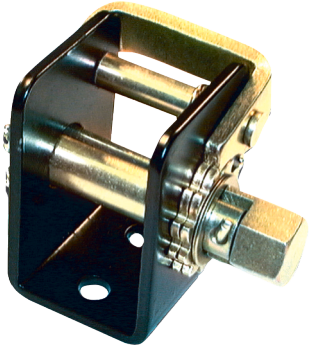
**Weight:** 15.8 lbs./7.8 kgs.

## LASHING WINCH

This versatile winch can be welded or bolted in place like a standard winch, but offers the quick release and easy operation of a ratchet buckle. 1-1/8" hex wrench required.

**Working Load Limit:**
3,335 lbs./1513 kgs.

**Weight:** 3.8 lbs./1.7 kgs.

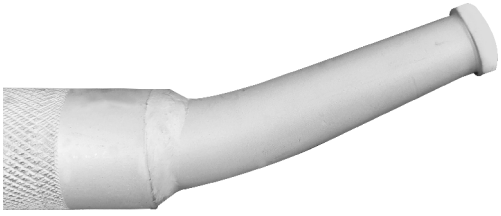


## INSTALLATION GUIDELINES

The provided information outlines important safety and installation guidelines for winches. Pawl Visibility: Install winches so the user can see the pawl for proper engagement.
**Gravity Engagement:** Position winches to allow the pawl to drop between ratchet teeth by gravity during engagement.
**Installation Position:** Avoid installing winches where the pawl is not visible or where users need to manually hold the pawl for engagement.
**Attachment to Vehicle Structure:** For all winches except portable and sliding styles, use welding or bolts for attachment to the vehicle structure. Follow minimum welding requirements: 1/4" fillet weld, 4" long on both sides of the frame, with 1/8" penetration.
**Structural Strength:** The vehicle structure should have equal or greater strength than the winch for secure mounting.

# Winch Bar

Winch Bar-Std. Mushroom Tip , Grooved Tip Chrome and Painted



Winch Bar-Combination Box End Chrome (Mushroom & Grooved Tip)

Ratcheting Winch Bar

| Description | Finish | Weight LBS |
|---|---|---|
| Combo Winch Bar Painted | Black | 6.70 |
| Combo Winch Bar Chrome | Chrome | 6.7 |
| Standard Winch Bar Painted | Black | 6.00 |
| Standard Winch Bar Chrome | Chrome | 6 |

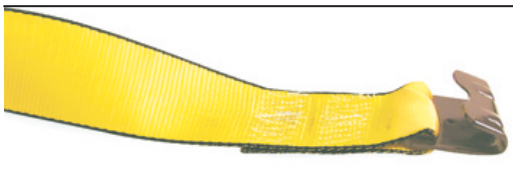
Ferreterro Manufactures a full line of Standard, Superedge and High Density High Abrasion HDHA 2", 3" and 4" winch straps. All winch straps are made from resin-coated polyester for minimum stretch and maximum wear resistance. These rugged straps provide the strength and durability demanded in flatbed tie-down requirements. All our winch straps are labeled in accordance with CVSA, CHP, NACS, DOT, and WSTDA regulations and standards. These can be Custom Printed with name, logo and working load limit.

## WINCH STRAP - STANDARD DUTY

**2"** Webbing
Working Load Limit: 3,335 lbs./1513 kgs.

**2"** Webbing With Chain Anchor 27', 30'
Working Load Limit: 3,335 lbs./1513 kgs.

**2"** Webbing with J hook
Working Load Limit: 1,670 lbs./751 kgs



**3"** Webbing With Flat Hook and Abrasion Clip or web piece
Working Load Limit: 5,400 lbs./2450 kgs.

**4"** Webbing With Flat Hook and Abrasion Clip or web piece
Working Load Limit: 5,400 lbs./2450 kgs

Both available in 27' 30' 35' 40' and 50' lengths

**3"** Webbing With Delta Ring
Working Load Limit: 5,400 lbs./2450 kgs.

**4"** Webbing With Delta Ring
Working Load Limit: 5,400 lbs./2450 kgs.

Both available in 27' 30' 35' 40' and 50' lengths

**3”** Webbing With Chain Anchor
Working Load Limit: 5,400 lbs./2450 kgs.

**4”** Webbing With Chain Anchor
Working Load Limit: 5,400 lbs./2450 kgs

Both available in 27’ 30’ lengths

---

**2”** Webbing with Double J hookWorking
Working Load Limit: 3,335 lbs./1513 kgs.

**3”** Webbing Double J hook
Working Load Limit: 3,335 lbs./1513 kgs.

Both available in 27’ 30’ lengths

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**4”** Webbing ZERO/NO Hardware 30’ lengthStrap used for Winch to Winch Application
Working Load Limit: 5,400 lbs./2450 kgs.

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**4”** Webbing With Sewn Loop 30’ length
Working Load Limit: 5,000 lbs./2270 kgs.

Both available in 27’ 30’ lengths

## WINCH STRAP - SUPER EDGE

These Winch Straps are created with Polyurethane impregnated edges for longer cut protection from edges. These are available in below variants*custom artwork and lengths available.

---

**2”** Webbing With Flat Hook
Working Load Limit: 4,000 lbs./1814 kgs.
27’ & 30’ lengths

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**2”** Webbing With Wire Hook
Working Load Limit: 4,000 lbs./1814 kgs.
30’ lengths

---

**3”** Webbing With Flat Hook and Abrasion Clip or web piece
Working Load Limit: 5,400 lbs./2450 kgs.

**4”** Webbing With Flat Hook and Abrasion Clip or web piece
Working Load Limit: 5,400 lbs./2450 kgs

Both available in 27’ 30’ 35’ 40’ and 50’ lengths

---

**3”** Webbing With Chain Anchor
Working Load Limit: 5,400 lbs./2450 kgs.

**4”** Webbing With Chain Anchor
Working Load Limit: 6670 lbs./2450 kgs.

Both available in 27’ 30’ lengths

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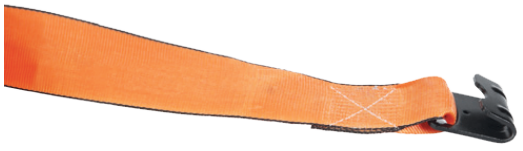
**4”** Webbing With Delta Ring
Working Load Limit: 6,670 lbs./3025 kgs
Available in 27’ 30’ lengths

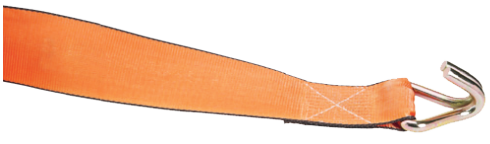
# WINCH STRAP - HDHA

Premium Range Winch straps with Higher Break Strength, Heavy duty webbing, Stiffer edges and whole webbing is polyurethane impregnated for Extreme wear resistance These are available in below variants*custom artwork and lengths available.



**4”** Webbing With Flat Hook
Working Load Limit: 6,670 lbs./3025 kgs.
Available in 27’ & 30’ lengths

**4”** Webbing With 30" chain anchor
Working Load Limit: 6,670 lbs./3025 kgs.
Available in 27’ & 30’ lengths



**4”** Webbing With Double J Hook
Working Load Limit: 6,670 lbs./3025 kgs.
Available in 27’ & 30’ lengths

**4”** Webbing With Delta Ring
Working Load Limit: 6,670 lbs./3025 kgs.
Available in 27’ & 30’ lengths

**4”** Webbing With Sewn Loop
Working Load Limit: 6,670 lbs./3025 kgs
Available in 27’ & 30’ lengths

We manufacture Winch straps in different COLORS, Patterns, High Visibility, Reflective, National Flag Patterns, Camouflage Patterns and in NON BLEEDING, NON FADING colors too. We can match exact pantone shades of your choice.

# Load Binders

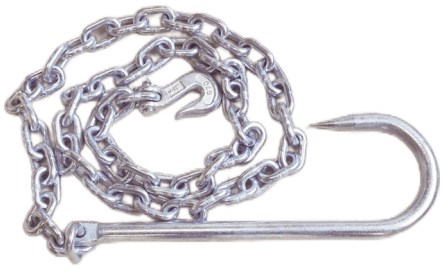
Load Binders are used to restrain chains of different sizes clamp, bind, anchor and tie down large loads. Heavy Duty Drop forged handles and Hooks, Heat treated and proof tested

| Part No. | Chain Size | WLL lbs |
|---|---|---|
| 21200001 | 1/4" - 5/16 " | 2000 |
| 21540001 | 5/16" - 3/8" | 5400 |
| 21660001 | 5/16" - 3/8" | 6600 |
| 21920001 | 3/8" - 1/2" | 9200 |
| 21130001 | 1/2" - 5/8" | 13000 |

| Part No. | Chain Size | WLL lbs |
|---|---|---|
| 21200002 | 1/4" - 5/16 " | 2000 |
| 21540002 | 5/16" - 3/8" | 5400 |
| 21660002 | 5/16" - 3/8" | 6600 |
| 21920002 | 3/8" - 1/2" | 9200 |
| 21130002 | 1/2" - 5/8" | 13000 |

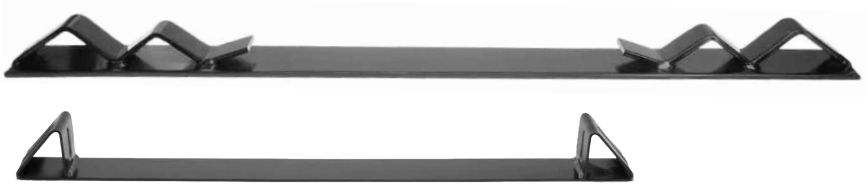
| Part No. | Chain Size | WLL lbs |
|---|---|---|
| 21540002RL | 5/16" - 3/8" | 5400 |

# Truckers Transport Chains



- G70 Chain Assemblies 5/16”, 3/8” and 1/2 “ with Grab hooks
- Chain Assemblies with Clevis Hooks
- G70 Chain Uncut
- All chains as per NACM and IS standards

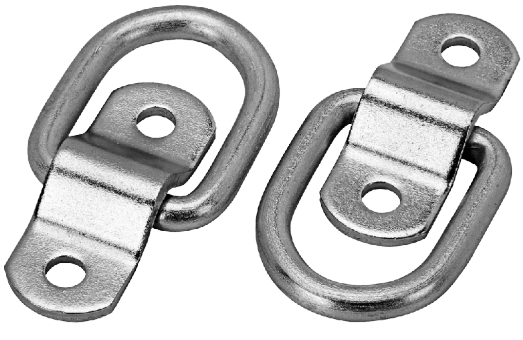
# Coil Rack



**Load Steel Coils Safely**

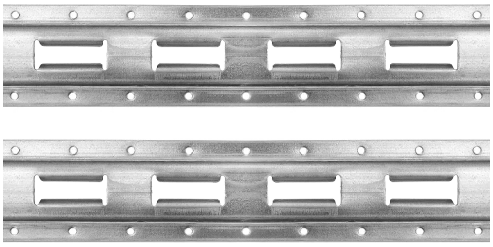
- Creates a temporary cradle on which to load a standard steel coil.
- Lay coil racks flat on the trailer bed & place 4x4s against the retaining edges.
- Lightweight and completely portable.
- 10-gauge, heavy-duty steel construction is extremely durable and reliable.
- Can be precisely positioned or easily transferred between vehicles.

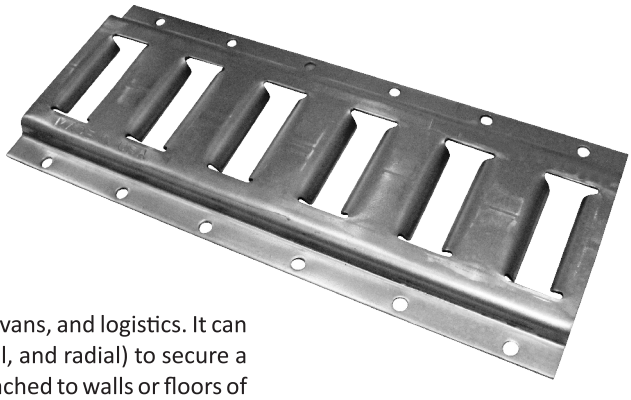
# D Rings
# (Weld On and Clip Bolt Types)



Trailer Tie Down, Heavy duty Trailer Tie Down, Bolt On D- rings, Welded D -rings, Recessed D -rings, Stake Pocket D -rings, Flush Mount D-rings
Available in 5/16” , 3/8”, ½”, 1” in both weld on and clip bolt type.

# E Track





E-track is a versatile cargo securement system used in trailers, vans, and logistics. It can create various types of constraints (horizontal, vertical, lateral, and radial) to secure a wide range of cargo. E-track consists of 12-gauge steel rails attached to walls or floors of trailers,secured with screws, rivets, or welding, depending on the load requirements.

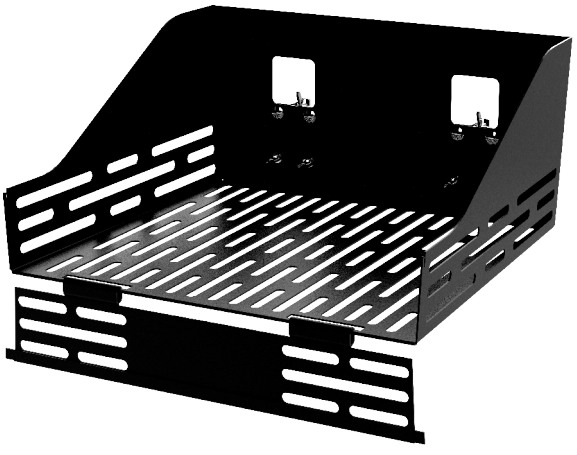
# Floor Tie - Down

Floor Chain Tie-Down Models:

- Bolt-On Plated Floor Chain Tie-Down: Working load limit - 6,000 lbs./2,724 kg.
- Weld-On Black E-coat Floor Chain Tie-Down: Working load limit - 6,000 lbs./2,724 kg.

# E Track Bin , Helmet Storage and Tool storage

Storage Bins NESTING feature to save space and to hold different articles inside trucks can be attached to all E tracks, X tracks



*Custom Color, Custom Marking with different ends available on request

# One Way Lashing

**WOVEN STRAPS**

| Width (mm) | MBS Lashing (daN) | Packing (plastic bags) | System Strength (daN)- Buckle |
|---|---|---|---|
| 32 | 2300 | 250 mtr | 4000 - B3030 |
| 40 | 3500 | 200 mtr | 6000 - B4040 |
| 40 | 5000 | 200 mtr | 7500 - B4040 |
| 50 | 2300 | 300 mtr | 3000 - B5020 |
| 50 | 5000 | 200 mtr | 9000 - B5050 |
| 50 | 6000 | 150 mtr | 9500 - B5050 |
| 50 | 7500 | 150 mtr | 10000 - B5050 |

*13mm,16mm, 9mm & 25 mm straps also available

**COMPOSITE STRAPS**

| Corded Strap Price List | | | | | | |
|---|---|---|---|---|---|---|
| S/N | Item Code | Width (mm) | Linear Breaking Strength (KG) | System Breaking Strength (KG) | Meter/Roll | Roll/Box |
| 1 | FCS-16E | 16 | 425 | 720 | 850 | 2 |
| 2 | FCS-16H | 16 | 550 | 935 | 850 | 2 |
| 3 | FCS-19E | 19 | 450 | 765 | 700 | 2 |
| 4 | FCS-19H | 19 | 650 | 1105 | 700 | 2 |
| 5 | FCS-25E | 25 | 790 | 1340 | 500 | 2 |
| 6 | FCS-25H | 25 | 950 | 1615 | 500 | 2 |
| 7 | FCS-32 | 32 | 1600 | 2720 | 300 | 2 |

# Hardware

OWB 4040 W

OWB 4050 W

OWB 4040 Forged O

OWB 4040 Forged

OWB 4040 Forged E

OWB 4050 D

OWB 4020 P

OWJ 4040

OWJ 4040 (Short)

OWJ 4050

OWJ 4040 Snap

OWJ 4040 D Snap

OWB 2515 W

OWB 2515 P

OWB 3030 W

OWB 3020 W

OWB 3030 Forged O

OWB 3030 Forged

OWB 3515 P

OWB 3515 Forged

OWJ 3530

OWJ 35302 (Short)

Star Buckle- 10 Tons

OWB 5050 W

OWB 5050 Forged

OWJ 5050

OWJ 50502 (Short)

OWB 5020 P

OWB 75100 W

RBONS 5050

# Container Lashing System

Faster, Effective and Cost efficient. Where goods are of fixed dimensions and where criss- cross lashing do not exert full load on goods. Pre made container lashing systems with flexible legs and fixed are available in different specifications, ideal for drums, jumbo bags, chemical bags which are 2,3 and 4 high in containers.

| | Height (mm) | No. of legs | Fixed/ Flexible |
|---|---|---|---|
| L1 | 2600 | 4 | Fixed |
| L2 | 2400 | 4 | Fixed |
| L3 | 2400 | 4 | Flexible |
| L4 | 2700 | 4 | Flexible |
| L5 | 2400 | 2 | Flexible |
| L6 | 2700 | 2 | Flexible |
| L7 | 2400 | 3 | Fixed |
| L8 | 2400 | 3 | Flexible |

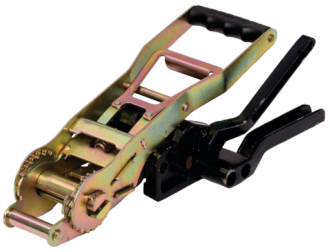
Customized Container Lashing with Ratchet buckles also available

# Tread Lock

- Available for 32/35 mm, 40 mm, 50 mm and 65 mm width straps.
- Superior Grip with Grooves like Tyre Treads.
- The Treads grip the Strap and prevent slippage for Extreme Dynamic movements.
- Bent treads to ease tightening and reverse side grips.

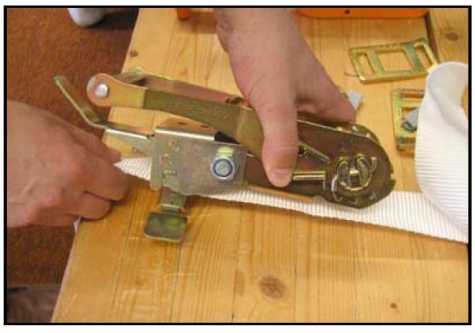
| Sno. | Treadlock no | Description | Weight per pcs in Gms | Finish | Sidearm | 16 +/- 1 mm Centre Pin | Pcs. per box | Box per pallet | Qty. in a pallet | Approx Wt. Per pallet in KG. |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | FT3530 | Treadlock 3030 | 470 | White zero chrome | 12 | 16 | 20 pcs. | 75 Box | 1500 | 705 |
| 2 | FT4040 | Treadlock 4040 | 585 | White zero chrome | 15 | 16 | 20 pcs. | 75 Box | 1500 | 877.5 |
| 3 | FT5050 | Treadlock 5050 | 850 | White zero chrome | 15 | 16 | 20 pcs. | 75 Box | 1500 | 1275 |
| 4 | FT6560 | Treadlock 6560 | 1150 | White zero chrome | 15 | 16 | 20 pcs. | 75 Box | 1500 | 1725 |
| 5 | FTJ 3530 | Treadhook 3030 | 500 | White zero chrome | 12 | 16 | 20 pcs. | 75 Box | 1500 | 750 |
| 6 | FTJ4040 | Treadhook 4040 | 620 | White zero chrome | 12 | 16 | 20 pcs. | 75 Box | 1500 | 930 |
| 7 | FTJ 5050 | Treadhook 5050 | 750 | White zero chrome | 15 | 16 | 20 pcs. | 75 Box | 1500 | 1125 |
| 8 | FTJ 4040 Snap XL | Treadhook Long Snaplock 40mm | 1450 | White zero chrome | 12 | 16 | 20 pcs. | 75 Box | 1500 | 2175 |
| 9 | FTJ 5050 Snap XL | Treadhook Long Snaplock 50mm | 1750 | White zero chrome | 15 | 16 | 20 pcs. | 75 Box | 1500 | 2625 |
| 10 | FT4040 Stainless | Treadlock 4040 stainless steel SS 302 | 590 | SELF | 12 | 16 | 20 pcs. | 75 Box | 1500 | 885 |
| 11 | FT 5050 Stainless | Treadlock 5050 Stainless steel SS302 | 810 | SELF | 17 | 16 | 20 pcs. | 75 Box | 1500 | 1215 |

# Woven Webbing Tensioners

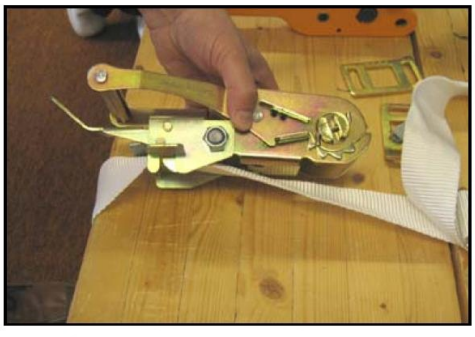


## USAGE OF RATCHET TENSIONER

1. Thread the lashed webbing through the locking device.

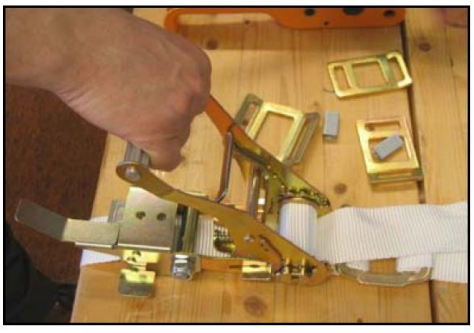


2. Lock the locking device. Press buckle to be pressed upwards to provide maximum tension.



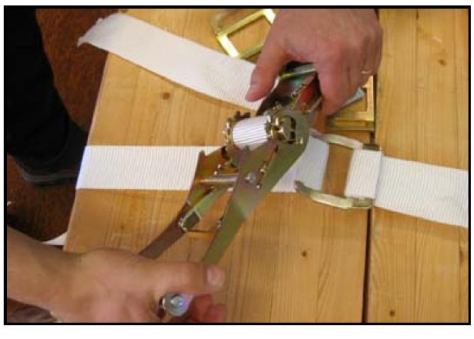
3. Thread the free webbing through the axle.

4. Pull handle to tighten webbing.

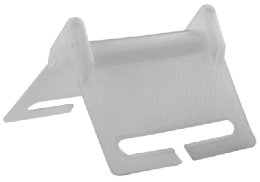


5. Open th elocking device

6. Wholly open the ratchet spanner to release.



# Corner Protection



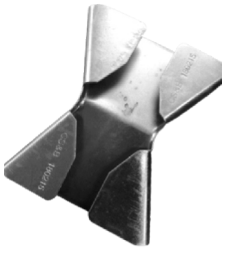
MOST POPULAR MOST RUNNING. Goes for all 2”-4” Straps

Heavy Duty Jumbo Corner for 2” Straps. Also has edge for drum edges.

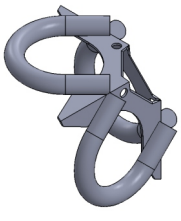
Most Popular Steel corners made of Steel to be used with Steel Chains. One is Bare steel and other is Rubber lined for Coils without packing.

Plain steel
Rubber coated steel

New Combo Corners of steel for Steel Chain as well as Strap. Inner modulations for Chains and Outer one for strap 2-4” wide.

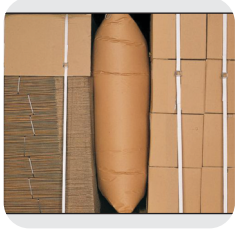


Butterfly corner protector popular with one way lashing systems upto 2” straps.



Ferreterro corner lashing plates offer an ideal solution for efficiently and economically securing oversized crates on flat racks. They are quick and simple to apply, ensuring the effective restraint of crates against any potential movement. Additionally, these plates are reusable and capable of withstanding forces of up to 15,000 daN, providing a reliable three-point lashing force for corners.

# Dunnage Bag



**Introducing Dunnage Bags**

Dunnage Bags, also known as airbags are convenient, fast and cost effective alternative to secure and stabilize cargo in ISO sea-containers, closed railcars, trucks and (ocean going-) vessels. The use of dunnage bags can have a positive impact on road safety. According to the European Commission Transportation Department "it has been estimated that up to 25% of accidents involving trucks can be attributable to inadequate cargo securing.

Dunnage bags are very easy to work with. They inflate rapidly with the use of an inflator using compressed air. Dunnage bags are very safe to use for both the shipping and receiving end of the transportation. Dunnage bags are waterproof. The cushions are easy to install and are inflated by compressed air often by means of an outlet in the truck's compressed air system or compressors.

**Types of Dunnage Bags**

• **PAPER DUNNAGE BAG**:- The paper used on the outside of the bag is laminated on the inside with a woven polypropylene layer, which allows higher resistance to punctures and moisture. These inflatable dunnage air bags are designed for securing cargo in trucks & containers.

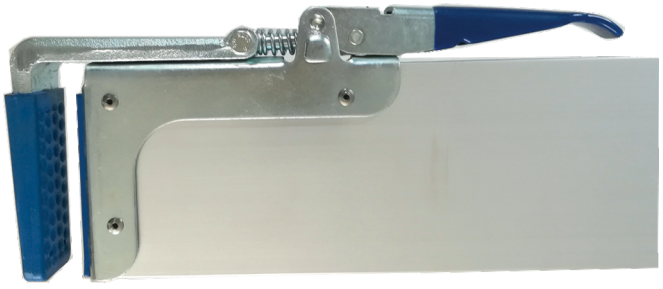
• **WOVEN POLYPROPYLENE DUNNAGE BAG**:- Woven polypropylene bags are made from inside LDPE liner and woven polypropylene outside. These inflatable dunnage air bags can be used in trucks, containers, railcars & ships.

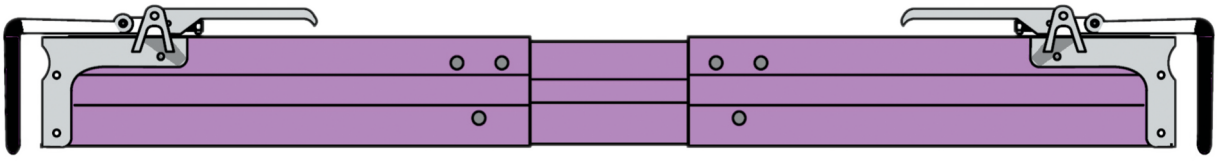
• **POLYPROPYLENE LAMINATED DUNNAGE BAG**:-
PP Laminated bags are made from inside LDPE liner and woven polypropylene coated with polyethylene outside.

**Types of Valves**

# Parting Wall Lock/Cargo Planks

The Cargo Plank is suited for use in tilt trailer and curtain siders where side boards are fitted. Cargo Plank slips easily on the side boards of vehicles and offer quick and efficient cargo shoring.





## Cargo Plank/ Parting Wall lock

| Product No. | Length* | Dimension | Material** |
|---|---|---|---|
| CPL ADJ | 2400 -2700 mm | 125 X 30 mm | Aluminum |
| CPL FIX | As required | 125 X 30 mm | Aluminum |

* Other Length Ranges available on request

** Alternative material on special request

# Cargo Bar

- Quickly secure large, heavy loads in your vehicle with the ratcheting Cargo Bar from Core .
- The Cargo Bar easily mounts in the bed or cargo area of your pickup, Container or closed body—no tools needed.
- Precision ratchet mechanism extends the Cargo Bar to variable sizes.
- The Cargo Bar uses your vehicle's natural rigidity to form a super-secure cargo restraint.
- "Easy-Grip" handle and exclusive ratchet-lock deliver massive holding power.
- The Cargo Bar is constructed of heavy-duty steel and features a durable finish.
- Rubber-coated feet assure a solid, non-slip grip that won't damage your vehicle.
- The Cargo Bar is lightweight and easy to maneuver
- Retracts small enough to stow behind your seat when not in use

**Cargo Bar CBPTS/CBPTA**

| Product No. | Length | Diameter | Material |
|---|---|---|---|
| CBPTS | 89-104" | 38 mm | Steel |
| CBPTA | 89-104" | 38mm | Aluminium |

**Cargo- Bar CBPTA Spring Loaded**

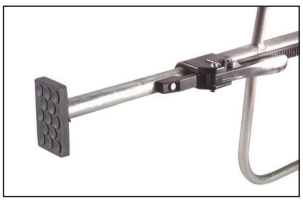
| Product No. | Length | Diameter | Material |
|---|---|---|---|
| CBPTA -SL | 90 - 105 " | 38 mm | Aluminium |
| CBPTA-SL | 90 - 105 " | 42 mm | Aluminium |

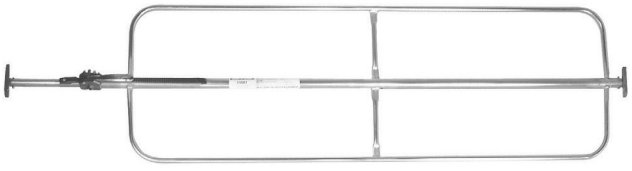
# Cargo Bar / Load Lock Bar

| Part No | Length | Long Tube Diameter | Tube Thickness | Material |
|---|---|---|---|---|
| 23150001 | 90” – 105” | 38 mm | 1.5 mm | Steel |
| 23150002 | 90” – 105” | 38 mm | 1.5 mm | Aluminum |
| 23150003 | 89.75” – 104.5” | 38 mm | 1.5 mm | Steel |
| 23150004 | 89.75” – 104.5” | 38 mm | 1.5 mm | Aluminum |
| 23150005 | 89”-104” | 38 mm | 1.5 mm | Steel |
| 23150006 | 89”-104” | 38 mm | 1.5 mm | Aluminum |

## Cargo Bar with Welded Hoop Sets

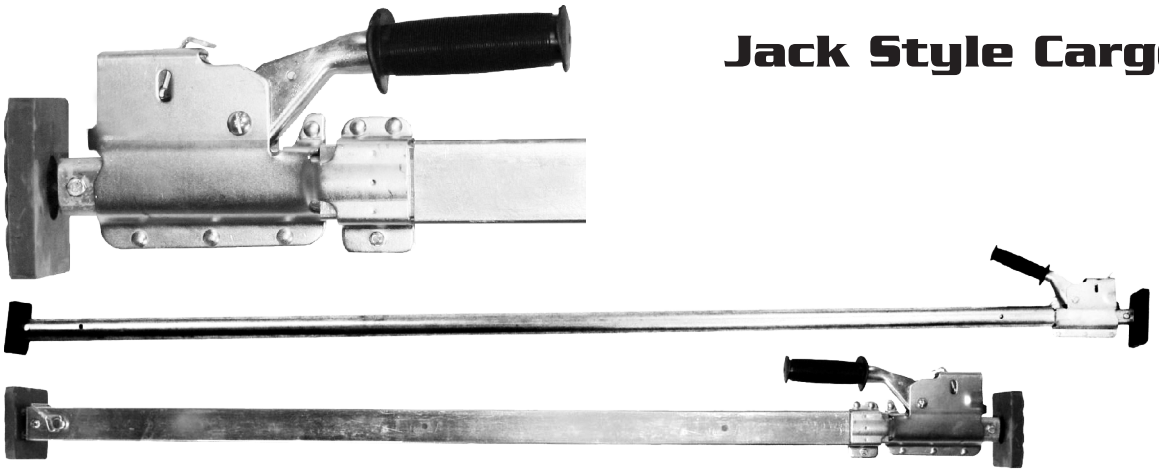
Constructed of heavy wall galvanized steel tubing for increased strength and durability, Cargo Load bars with welded hoop sets are ideal for shoring applications that require a larger holding surface area.





**Adjusts from:** 90” to 105”
**Weight:** 23.8 lbs./10.8 kgs.

# Jack Style Cargo Bar



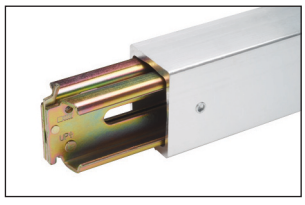
- Universal Design Fits Any Trailer.
- Heavy-duty jack bar with telescopic design.
- Adjustment range of 51" to 114”.
- Fits the bed of most full-size pickup trucks.
- Fits any interior van application.
- Heavy Duty.
- Cushioned non-slip grip and non-marking rubber feet.

**Size:** 24.0” x 29.0”
**Weight:** 13.3 lbs./6.1 kgs.

# Decking Beam

## Aluminium Decking Beam

Ferreterro extra heavy-duty aluminum decking/shoring beams are designed for the most severe applications. The beams are extruded high-strength aluminum and have 70% more aluminum than the heavy-duty beam for added strength and durability. *NOTE: Special length beams are available.*



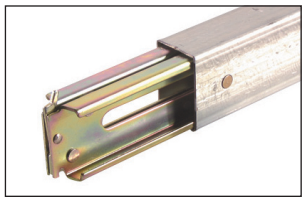
**DB8050-6**
**Adjusts from:** 88.0" to 97.7" for 96" Trailers **Weight:** 32.5 lbs./14.8 kgs.

**DB8050-5**
**Adjusts from:** 92.9" to 102.6" for 96" and 102" Trailers **Weight:** 33.0 lbs./15.0 kgs.

**Decking/Vertical Rating:** 4,000 lbs./1814 kgs. working load limit based on evenly distributed load.
**Shoring/Horizontal Rating:** 3,000 lbs./1360 kgs. working load limit based on evenly distributed load.

## Series E Steel Beams

Ferreterro steel decking/shoring beams are made from high strength galvanized 2" x 3" rectangular welded steel tubing. Head assemblies are all steel, zinc plated and tapered for ease of operation. Trigger and spring are built for long-lasting positive lock control.



**DBS-1** – For 96" and 102" Trailers

**For inside trailer width of:** 92" to 103" **Weight:** 26.0 lbs./11.79 kgs.

**Decking/Vertical Rating:** 2,000 lbs./909 kgs. uniformly distributed working load limit.
**Shoring/Horizontal Rating:** 1,350 lbs./680 kgs. uniformly distributed working load limit.

# Wood Beam Socket

## Series E Or A Wood Beam Sockets

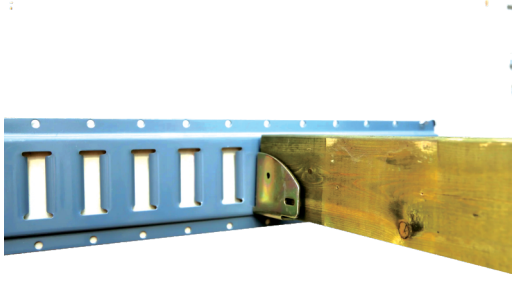
Ferreterro offers both standard and heavy duty beam sockets designed for use with standard commercial grade 2" x 4" or 2" x 6" lumber.

Standard

Features include zinc plating and a positive locking mechanism.

Heavy Duty

Features include zinc plating, a positive locking mechanism and reinforcement for added strength.



Wood Beam Socket is a versatile and convenient tool for anyone looking to customize the storage space in their enclosed cargo trailer or moving van. By using these wood end sockets and E-Track rails, you can create your own shelving and securement systems that can be easily added or removed as needed. This flexibility can be particularly valuable for those who want to make the most of their trailer's storage space without committing to a permanent setup. Whether you need shelves, cabinets, or decking beams, the end beam socket appears to be a useful solution for your customization needs.

# Tow Straps

- Very small in size. Can be easily kept anywhere.
- Does not damage vehicles like chain or wire ropes do.
- Helps in removing vehicles immediately.
- Very low on cost as compared to tow charges.
- Peace of mind, as backup is always there.
- Anyone stuck is always ready to pull the vehicle to the side of the road.
- Manufactured as per strict EN standards.
- Good solution for vehicles stuck in Traffic jams.
- No need to wait for a crane or recovery vehicle.
- Easy to carry in the glove box.
- Can be used to tow any vehicle like Cars, Autos, Buses, Trucks, Tempos, Motorcycle, Even heavy trailers.
- Special size and length for Rally vehicles and Earthmovers also made on special request.

# Tow Rope

- 14ft 6800lb Tow Rope with Hooks, Designed for Commercial Duty.
- Crafted from premium braided polypropylene, the rope boasts high quality and resistance to mildew.
- Its highly-visible colors are intertwined, ensuring easy visibility during usage.
- Facilitating convenient handling and setup are the textured black grips affixed to each end of the rope, which also serve to secure hooks in place.
- Equipped with zinc-plated, rust-resistant hooks on both ends, each hook features a spring-loaded snap hook for secure attachment.
- This versatile tow rope is well-suited for a range of applications, including home, auto, and recreational use.
- Perfect for recovering stuck vehicles such as trucks, tractors, and smaller machinery.

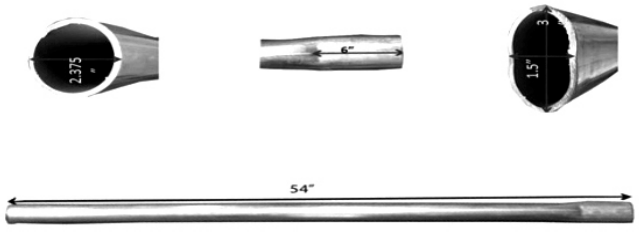
# Cargo Nets

We manufacture a wide array of Cargo nets of different capacities.  Container Cargo Nets, Defence Nets, Aviation Nets, and lifting nets with different types of End fittings are manufactured in accordance with stringent standards. We also customize the nets as per requirement and job.

# Web Winder

- Labor Saving Device, Ratchet Strap Winder Winds Up 30
- Foot Long Straps in a Few Seconds!
- Portable Design Allows Placement Anywhere Along the Rub Rail
- Durable, Black Powder-Coated Steel for Long Life
- Stores Easily in Driver Toolbox or in Underseat Storage Ergonomic Design Promotes One-Handed Operation

# Pipe Stake




Galvanized Steel Pipe Stake OD 2.375" 9 Gauge 54" Length

Available in Round and Square tubes.

# Height Measuring Stick

- **Sturdy Construction**: The height stick is constructed from lightweight yet durable fiberglass, ensuring it can withstand regular use while remaining non-conductive for safety.
- **Accurate Measurement**: Featuring a telescoping design with dual scale markings, it can accurately measure loads from 4.7 feet to 15 feet. The locked 90-degree cross arm allows for precise measurements on both trucks and cargo heights in 1-inch and 1-centimeter increments.
- **High Visibility Design**: The stick is dipped in high-visibility yellow and has clear English and metric markings in black lettering for easy identification. This design ensures that measurements can be easily read, even in low-light conditions.
- **Convenient Storage**: When not in use, the height stick can be folded down to a compact 52 inches and comes with a durable storage pouch that includes a carrying strap for easy transport and storage.
- **Stability**: Despite its 15-foot length, it weighs only about 4.4 pounds and features a large non-slip rubber pad at the base, providing excellent stability during use.

# Autohauler Straps

8 Point Tie Down System for Rollback

- Available in Chain End, Twisted Snap hook end and combination
- Ratchets with Chain Tails attach to Key Hole Slots in Deck
- Secure all 4 wheels. Kits available in Attractive custom print handbags.

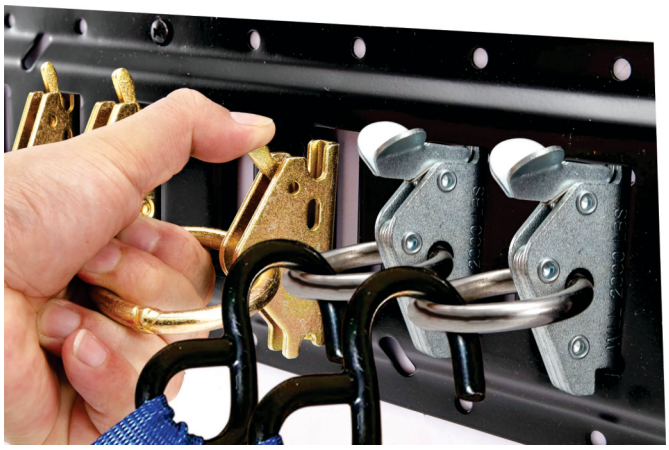
**Side wheel lashing Lasso type**

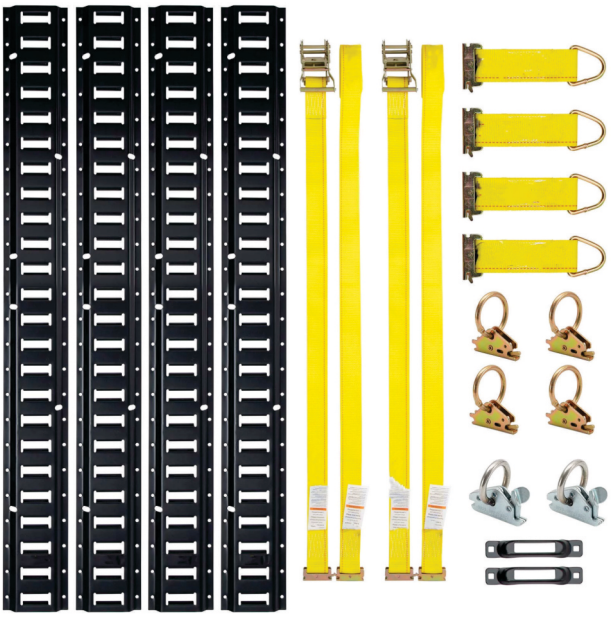
Lasso Strap with O Ring and Ratchet. Available with Cordura sleeve
Size: 2" Wide x 12' Long Working Load Limit: 3,333 Lbs Breaking Strength: 10,000lbs

Over the Tire

3 point with J hooks and Swivel hooks for Car carriers
50 mm 2” 5 ton with rubber and plastic cleats

With Heavy Duty E track Fittings for Track carrier
Wheel Net type
Assembly with RTJ Cluster Assembly





# Towing Chain & Web V Bridles

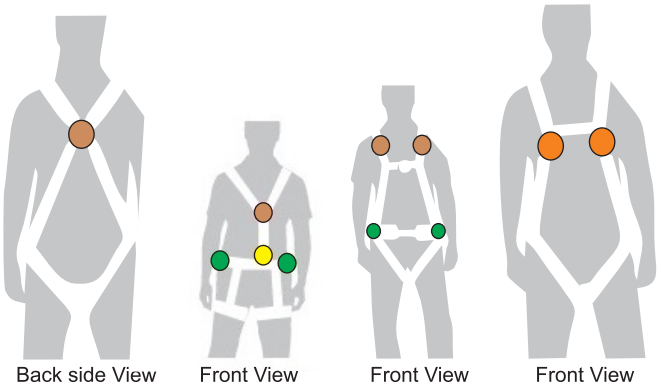
Our Grade 70 chains present a range of hook options, including cluster hooks and J hooks on both ends. The various combinations of forged and heat-treated additions ensure that you receive top-notch equipment, capable of meeting all your towing requirements. Whether it's for securing towing loads or hauling equipment, we offer the perfect chain and hook combination for every task.
Web V Bridles, available in both nylon and polyester webbing. These are especially advantageous for towing or securing large vehicles, haulers, or trailers. With the flexibility to use cluster hooks or any other hook combination, this equipment stands out as the optimal choice, particularly in situations where the presence of oil, abrasives, and other debris is anticipated.

# Full Body Harness

A Full Body Harness must support the user in a comfortable working without restricting functions of other devices in the systems and in case of fall from height it should distribute the impact force incurred on the body. Harness is designed to minimize the risk of/ provide protection against the danger of falling from heights. However, always remember that no item of PPE can provide full protection, therefore care must always be taken while carrying out the risk relation activity. The Full Body Harness should only be used in conjunction with a fall arrest system. The Lanyard should connect with Dorsal D-Ring of Full Body Harness and the other end should be connected to the anchorage point which should be situated above the user. The anchorage point should have strength greater than 15 kn.
FERRETERRO uses Polyester Material for the construction of webbing for safety Harness and Lanyards. The user does not have the risk of Slipping out of Harness when they fall from height because our harness does not elongate dangerously due to least elongation properties of Polyester as compared to other materials or synthetic Fiber.

# Choose the Right Harness

You should choose your harness/ equipment which suits according to your work. The Dorsal D-Ring is the point to attachment to use for Fall Prevention/ Fall Arresting .The anchorage point on the front of the Safety Harness are used as Fall arrest measures during access (Ascent using a glider on a rope, or with a system fixed to a cable or a rail) or during work on such features as inclined roof. Less often, the anchorage points on the front of the harness may be used for rescue, or when work is carried out in confined spaces. Work on rope is undertaken using the D-Ring or specially designed Sternal D-Ring located on the abdominal area. If the work to be carried out requires the use of a positioning Lanyard, you should choose a Harness that includes a positioning belt as well as the anchorage point that are vital for fall arrest .




- D-Ring for Fall Arrest
- Chest D-Rings (To be used in the Combination Only)
- Sternal D-Rings
- Positioning D-Rings (To be used in the Combination Only)

Essentials

**INSPECTION**

Before using the products, a thorough visual inspection is a must. This visual inspection should be:

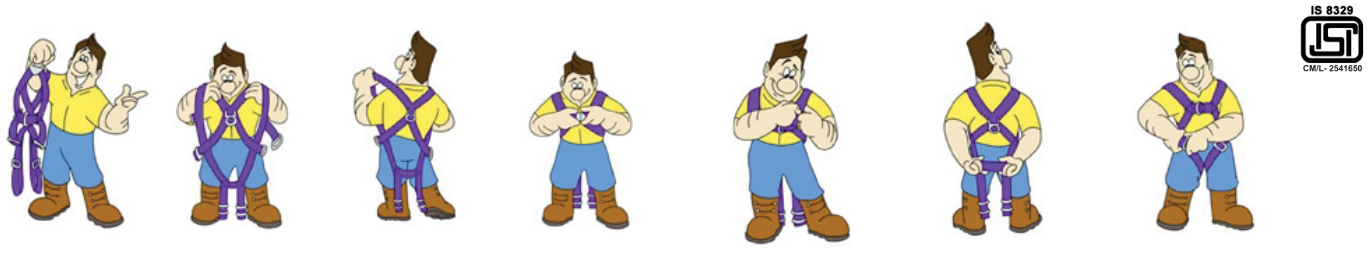
**Webbing:** Check the webbing of safety belt for signs of any cut, any abrasions, tears, burns, fraying, any chemical reaction or colour fading of webbing.

**Thread:** Check all the stitching for signs of any loose threads, cut or pulling of threads. Stitching patterns must be identical on both sides. DO NOT USE the full body harness/ Connecting Lanyard, if due to any reasons the stitching pattern is not clearly visible.

**Metal Parts:** All the metal parts (i.e D-Ring, Hooks, Buckles etc.) must be free from any rusting, distortion, excessive wear or cracks.

**DO NOT USE & DESTROY** the product, if during the inspection any part of the Fall Protection Systems is faulty.

# How to Wear



**STEP 1** Hold harness up by shoulder straps and ensure leg straps hang free

**STEP 2** Pass arms through shoulder straps

**STEP 3** Connect chest buckle

**STEP 4** Adjust shoulder straps so rear 'D' sits between

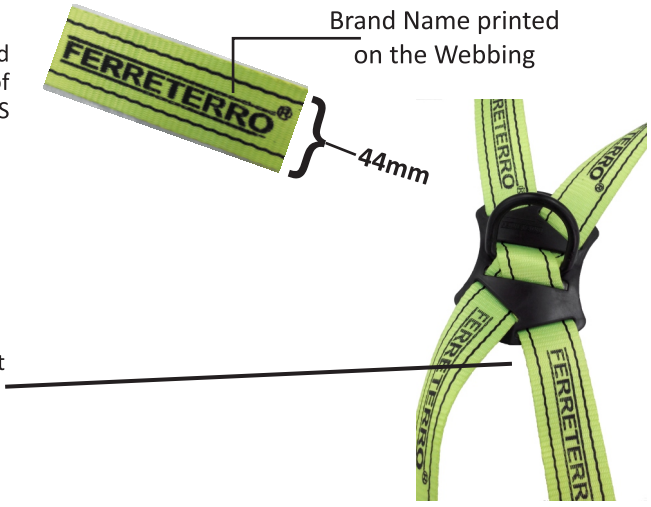
**STEP 5** Pull harness down at the back to sub pelvic

**STEP 6** Connect leg buckles and adjust to a snug fit

# Full Body Harness

**FERRETERRO** assures a safe environment when working at height because we understand the importance of human Life. FERRETERRO Brand is a name more than just a word.

**FERRETERRO** is committed to provide best quality products and services. Safety with simplicity is our main motto. We offer all class of safety belts & harness confirming to Indian Standard ( ) IS 3521:1999 which covers all the safety features to avoid any fatality of such events.




Special Design and High resistant back Plate made of Nylon 66 for best griping of D-ring and webbing even after fall.

**FL-FBH-03**

**FULL BODY HARNESS: For Basic Fall Arrest (Class-A)**

**Adaptability:** Adjustable Chest & Thigh Straps.

**Convenience:** Shoulder & Thigh Straps differentiated by a dual color scheme.

**Ergonomics:** Ideally positioned sit strap to provide extended comfort

**Anchor Element:** One dorsal attachment D-ring of forged alloy steel for Fall Arrest.

**Size / Breaking Strength:** Universal / 25 kN (Min.)

**FL-FBH-01**

**FULL BODY HARNESS: For Controlled Descent(Class-D)**

**Anchor Element:** One dorsal attachment D-ring of forged alloy steel for Fall Arrest. One Sternal D-Ring at Front (For use in the event of **Controlled Descent** from a height).

**Convenience:** Shoulder & Thigh Straps differentiated by a dual color scheme.

**Adaptability:** Adjustable thigh strap.

**Ergonomics:** Ideally positioned sit strap to provide extended comfort .

**Size / Breaking Strength:** Universal / 25 kN (Min.)

**FL-FBH-06**

**FULL BODY HARNESS: For Safe Entry & Exit in Confined Space (Class-E)**

**Anchor Element:** One dorsal attachment D-ring of forged alloy steel for Fall Arrest. Two D-Rings, one on each shoulder strap for easy entry & exit into confined spaces.

**Convenience:** Shoulder & Thigh Straps differentiated by a dual color scheme.

**Adaptability:** Adjustable Chest & thigh strap.

**Ergonomics:** Ideally positioned sit strap to provide extended comfort

**Size / Breaking Strength:** Universal / 25 kN (Min.)

**FL-FBH-05**

**FULL BODY HARNESS: For Ladder/ Tower Climbing (Class-L)**

**Anchor Element:** One dorsal attachment D-ring of forged alloy steel for Fall Arrest. Two chest attachment D-Rings for Ladder/ tower climbing.

**Convenience:** Shoulder & Thigh Straps differentiated by a dual color scheme.

**Adaptability:** Adjustable thigh strap.

**Ergonomics:** Ideally positioned sit strap to provide extended comfort .

**Size / Breaking Strength:** Universal / 25 kN (Min.)

**FL-FBH-04**

**FULL BODY HARNESS: For Positioning (Class-P)**

**Anchor Element:** One dorsal attachment D-ring of forged alloy steel for Fall Arrest. Two Lateral D-Rings at the waist level, one at each side (Help in positioning the worker so that he can work with both hands free.

**Convenience:** Shoulder & Thigh Straps differentiated by a dual color scheme.

**Adaptability:** Adjustable Chest & thigh strap.

**Ergonomics:** Ideally positioned sit strap to provide extended comfort

**Size / Breaking Strength** Universal / 25 kN (Min.)

## Webbing Lanyards

IS 8329

CM/L- 2541650

**FERRETERRO Brand Webbing Lanyard** are made of High Tenacity Polyester yarn in 44 mm width. The loops at the ends are protected with abrasion resistant cover to prevent the webbing form any cutting or damage due to direct contact of metal parts. Our Webbing Lanyards have a min. breaking strength of 23 kN.

We offers webbing Lanyards with different combination of connectors in different Length i.e 1 mtr., 1.5 mtr., 1.8 mtr and 2 mtr.

Brand Name printed on the Webbing

**Both Side Loop**

**One Side Loop Other side Karabiner**

**Both Side Karabiner**

**One Side Loop Other side Snap Hook**

**One Side Loop Other side Scaffolding Hook**

**One Side Snap Hook Other side Karabiner**

**Both Side Snap Hook**

**One Side Scaffolding Hook Other side Karabiner**

**One Side Scaffolding Hook other Side Snap Hook**

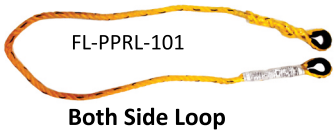
# Pp Rope Lanyards

IS 8329 CM/L- 2541650

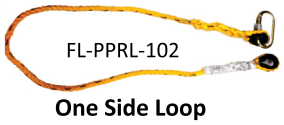
**FERRETERRO Brand Rope Lanyard** range have the following features:

- They are made of 12 mm dia 3 strands Poly-Propylene (PP) Rope with black tracer which loses its colour in due course of time, to show that Lanyard is now unfit for further use.
- The spliced end is protected with a heavy duty/ Strong transparent covering sheet. This sheet is not only grips the splicing tightly but also protects it and makes the splicing visible for easy inspection before use.
- In Our PP Rope Lanyards, the loops at the end are protected by an abrasion resistant thimble which are made of Nylon 66 material. This prevents the rope from being damaged by direct contact of metal parts.
- Our Webbing Lanyards have a minimum breaking strength of 23 kN.

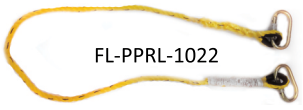
We offer webbing Lanyards with different combinations of connectors in different lengths i.e 1mtr., 1.5 mtr., 1.8 mtr and 2 mtr.



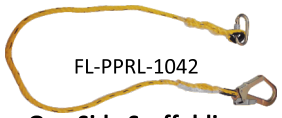

**Both Side Loop**




**One Side Loop Other side Karabiner**



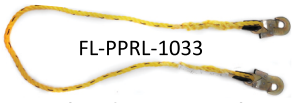

**Both Side Karabiner**




**One Side Scaffolding Hook Other side Karabiner**

**One Side Loop Other side Snap Hook**

**One Side Snap Hook Other side Karabiner**



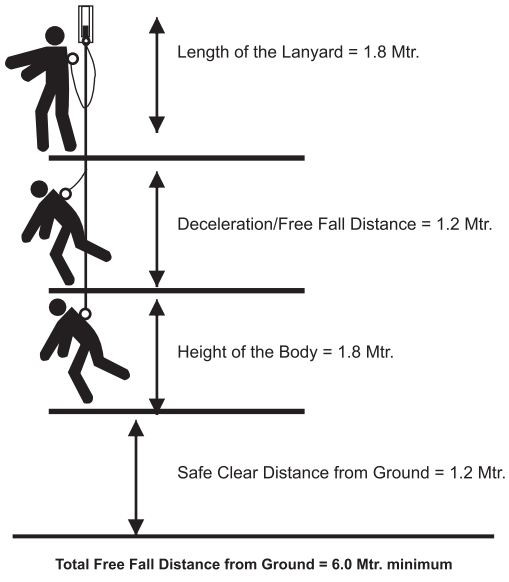

**Both Side Snap Hook**

**One Side Scaffolding Hook other Side Snap Hook**

**One Side Loop Other side Scaffolding Hook**

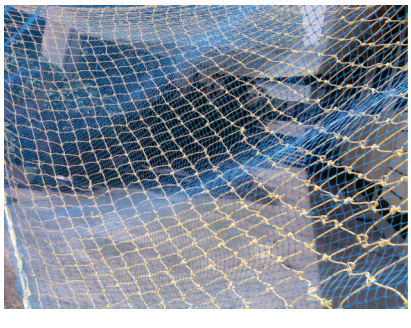
# Energy Absorber

**FERRETERRO Brand Energy Absorber** is made with white inner Polyamide core called TEAR WEBBING which absorbs the arresting forces or impact forces which comes on body or on Full Body Harness in the event of a fall. Tear Webbing is stitched with our coloured 44 mm webbing which serves as a back up. The entire unit is covered with a transparent protective cover which helps in fast and easy visual inspection of energy absorber as well as the Label.
The **ENERGY ABSORBER** reduces the impact of the Fall up to 6kN.




The well known facts that impact force are proportional to Free Fall Distance i.e in the event of a
fall, a high impact force occurs on the Human Body due to sudden stop caused by Fall Arrest systems/ Lanyards.
(Higher Free Fall Distance=Higher impact Force ).
In the event of fall, the energy absorber fritters away the kinetic energy and controls the deceleration. The tear webbing elongates through its webbing and stitching. Due to this action,
the impact force will be in control and will be 6kN.

**Ferreterro** also offers the best quality Safety Net solution for the construction industries to enable the worker to work in a safe environment as well as at height effectively .
In construction area, Safety Nets prevent serious accidents and even fatalities, when working at height by providing a collective level of protection.



**FERRETERRO** Brand Safety Nets are made from High Strength ISI Polypropylene Rope which withstands the required Load. Due to our special knotting of the meshes, our safety nets have effective shock absorption hence minimizing any impact related injury on the worker.
We also offer overlay net along with other sizes as required.
We offer safety nets with the mesh size 25 mm, 50 mm and 100 mm.
We use 12 mm Polypropylene Rope as a cord rope with a length of 2 Mtr. @ every 1.5 Mtr. level.

# Web Ladders

We manufacture web ladders upto 300 meters long with connectors to make the ladder flexible to go upto any length required. Different variety of rungs of Aluminum alloy or Carbon fiber makes them upto 3 times lighter in weight compared to pp rope ladders. The non slip and load bearing pattern makes it best product to be used in confined spaces, mine access, scaffolding roofing, oil and gas and lowering purpose. The weight carrying capacities can go upto 2 tons so it is most ideal ladder for rescue operations, paramilitary forces and mountaineering usages. We manufacture the same in bright colors for distant locations and camouflage prints for army applications.

## Advantages:

- Lightweight
- Staggered rungs
- Rigid and reinforced
- Easy anchorage
- Easy installation
- Water and acid proof
- Spark resistant for gas chambers available on request.

DOMETIC
RHINO-RACK

# Snow Chain

Ferreterro specializes in manufacturing a variety of traction chains, including snow chains, tire chains, and non-skid chains, primarily designed for both passenger and commercial vehicle tires. The emphasis on alloy steel suggests a focus on durability and strength, which is crucial for providing a reliable solution for vehicles operating in challenging conditions.

Some key features highlighted in your description include:

**Snug Fit**: The chains are designed to provide a perfect fit without causing damage to expensive tires. This is essential for ensuring safety and preventing any potential harm to the vehicle.

**Higher Stability:** Stability is crucial, especially in adverse weather conditions or challenging terrains. The chains seem to prioritize stability, which is essential for the overall safety and performance of the vehicle.

**Rust-Proof:** The use of materials that resist rust is important for longevity and maintaining the effectiveness of the chains. This is particularly relevant for equipment that may be exposed to harsh weather conditions.

**Heavy-Duty:** The emphasis on heavy-duty construction indicates that the chains are built to withstand significant wear and tear. This is crucial for applications involving large construction vehicles, tractors, and other heavy-duty equipment.

**Design and Development for Special Vehicles:** This suggests that Ferreterro is capable of customizing chains for specific vehicle types, such as special vehicles, OTR (Off-The-Road) vehicles, JCB (construction equipment), and tractors. This flexibility is valuable for meeting the diverse needs of different industries.

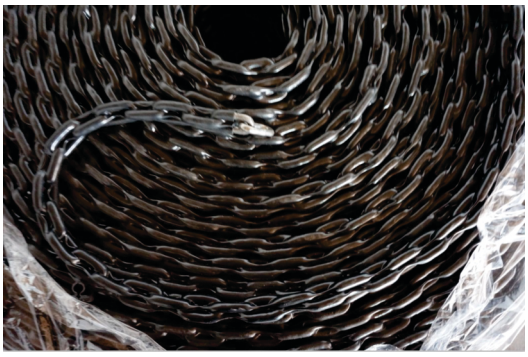
Manufacturing chains for various types of vehicles, including OTR and large construction vehicles, indicates a broad market reach and the ability to cater to different industries with unique requirements.

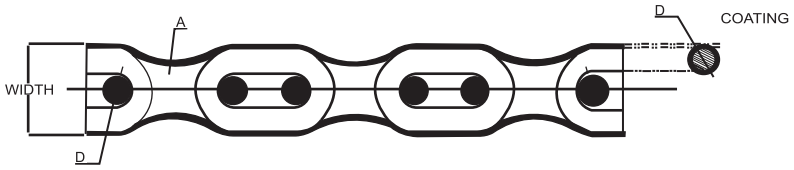
| Chain Size | 12” | 13" | 14” | 15” | 16” | 17” | 17.5” | 18” | 19” |
|---|---|---|---|---|---|---|---|---|---|
| 6 x 6 mm | 145/80 R 12<br>155/70 R 12<br>155/80 R 12<br>165/60 R 12 | 155/80 R 13<br>165/70 R 13<br>135/80 R 13<br>155/70 R 13<br>185/65 R 13<br>205/60 R 13<br>225/55 R 13<br>275/45 R 13<br>195/70 R 13<br>185/80 R 13 | 185/70 R 14<br>175/65 R 14<br>135/70 R 14<br>165/60 R 14<br>155/70 R 14<br>155/80 R 14<br>185/60 R 14<br>205/55 R 14<br>215/55 R 14<br>225/55 R 14<br>195/65 R 14 | | | | | | |
| 6 x 8 mm | | | | 195/60 R 15<br>205/55 R 15<br>205/65 R 15<br>215/75 R 15<br>F 78/15<br>185/55 R 15<br>225/50 R 15<br>165/65 R 15<br>245/60 R 15<br>30/10 R 15<br>235/70 R 15<br>235/75 R 15<br>255/70 R 15<br>205/70 R 15<br>7.00 R 15 | 195/50 R 16<br>195/65 R 16<br>205/45 R 16<br>205/60 R 16<br>205/75 R 16<br>215/65 R 16<br>215/80 R 16<br>225/60 R 16<br>225/75 R 16<br>235/65 R 16<br>235/80 R 16<br>245/50 R 162<br>55/65 R 16<br>265/70 R 16<br>265/60 R 16<br>7.00 X 16<br>7.50 X 16<br>8.25 X 16<br>9.00 X 16 | 185/65 R17<br>205/55 R 17<br>215/55 R 17<br>215/70 R 17<br>225/50 R 17<br>235/55 R 17<br>235/70 R 17<br>245/50 R 17<br>255/70 R 17<br>265/60 R 17<br>265/65 R 17<br>265/70 R 17<br>285/60 R 17<br>305/70 R 17<br>33/12.5 R 17<br>37/12.5 R 17<br>7.50 X 17 | 205/75 R 17.5<br>215/75 R 17.5<br>225/90 R 17.5<br>235/75 R 17.5 | 215/55 R 18<br>225/60 R 18<br>235/55 R 18<br>245/50 R 18<br>255/60 R 18<br>265/60 R 18<br>2758/60 R 18<br>285/50 R 18<br>285/65 R 18<br>235/60 R 18<br>245/60 R 18<br>255/70 R 18<br>37/12.5 R 18<br>37/13.5 R 18 | 235/60 R 19<br>235/65 R 19<br>245/50 R 19<br>245/55 R 19<br>255/50 R 19<br>265/55 R 19<br>275/55 R 19<br>285/55 R 19<br>265/50 r 19 |

| Chain Size | 20” | 22.5” | 24” | 25” | 28” | 30” |
|---|---|---|---|---|---|---|
| 8 X 10 mm | 8.25 X 20<br>9.00 X 20<br>10.00 X 20(S)<br>10.00 X 20 (D)<br>11.00 X 20(S)<br>11.00 X 20 (D)<br>12.00 X 20 (S)<br>12.00 X 20 (D)<br>355/90 R 20<br>14.00 X 20<br>405/70 R 20<br>37/12.5 R 20 | 11 R 22.5<br>315/70 R 22.5<br>295/80 R 22.5<br>315/80 R 22.5<br>385/65 R 22.5<br>25/65 R 22.5<br>255/70 R 22.5<br>9.00 R 22.5 | | | | |
| 10 X 12 mm | | | 12.00 R 24<br>14.00 X 24<br>16.00 R 24<br>385/95 R 24<br>40/15.5 R 24 | 14.00 X 25<br>16.00 X 25<br>17.5/80 R 25<br>23.5 X 25<br>385/95 R 25 | 16.9 X 28 | 16.9 X 30 |
| 10 X 14 mm | | | 12.00 R 24<br>14.00 X 24<br>16.00 R 24<br>385/95 R 24<br>40/15.5 R 24 | 14.00 X 25<br>16.00 X 25<br>17.5/80 R 25<br>23.5 X 25<br>385/95 R 25 | 16.9 X 28 | 16.9 x 30 |

Available in many more sizes, patterns and Grips for both Passenger and Commercial vehicles.

# Compensation Chain

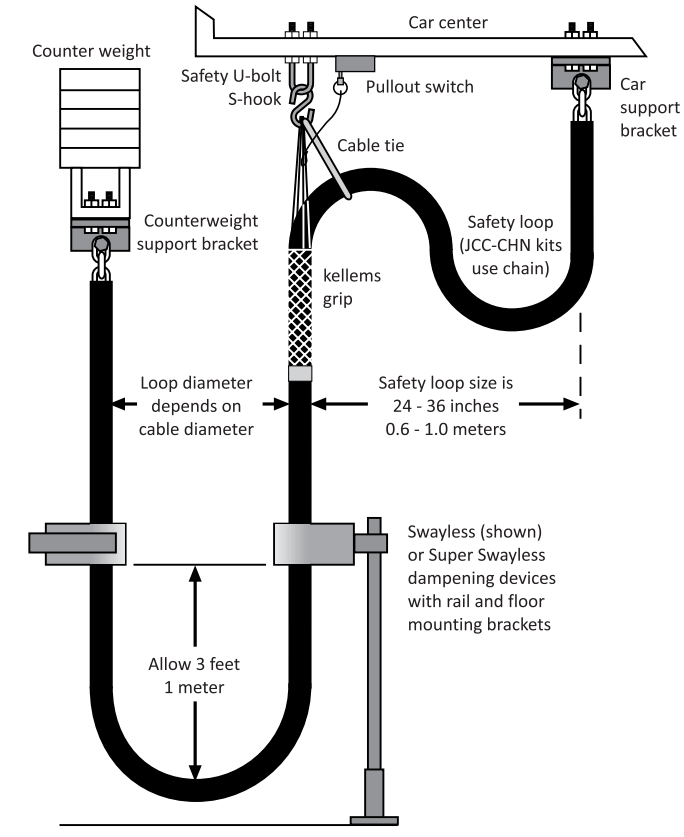





| S. No. | WEIGHT PER METER(Kg/m) | WIDTH (mm) | LOOP DIA (mm) | LINK DIA D(mm) | BURST FORCE (KN) |
|---|---|---|---|---|---|
| 1. | 0.80±0.20 | 21±1 | 280 ±20 | 6.0±0.1 | >13.32 |
| 2. | 1.12±0.20 | 26±1 | 280 ±20 | 7.0±0.1 | >18.13 |
| 3. | 1.49±0.20 | 29±1 | 300 ±20 | 8.0±0.1 | >23.68 |
| 4. | 2.24±0.20 | 36±1 | 300±20 | 10.0±0.1 | >37.00 |
| 5. | 2.98±0.20 | 39±1 | 300±20 | 11.0±0.1 | >44.70 |

- Tubular-extruded, low carbon, electrically welded proof coil chain.
- High strength chain
- Every link calliberated , Uniform chain Minimal twists.
- 60 °C fire-retardant polyvinyl chloride that resists oxidation, weathering, solvents and chemicals.
- Temperature Range: –15 °C to +60 °C
- Rated Speed: ≤ 1,75 m/s
- Installation Material: 2 U-Bolts.
- As per Standards EN81-1 , ASME A 17.2-2007 and IS 14665 Part 4 section 8.
- Flammability tests as per IS 10810 ( Part 53)- 1984

# Compensation Chain

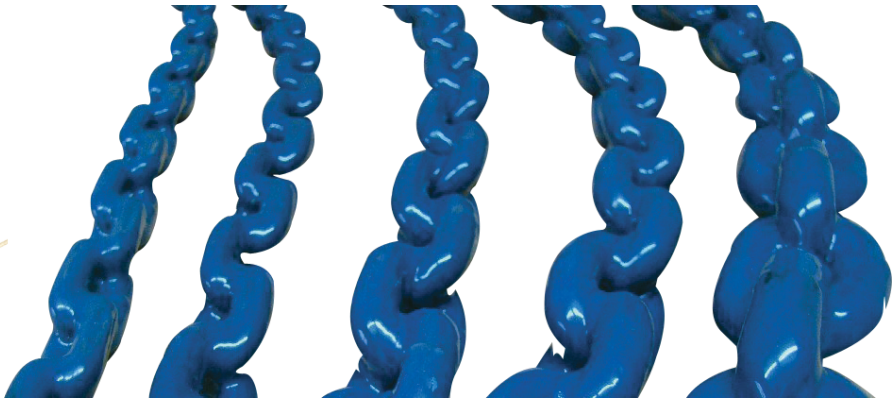



1. The suitable temperature range of the product is -25°C + 50°C.

2. When you are ready to install the compensation chain, it is necessary to straighten out the chain first, or it will affect the running effect and service life.

3. The center line of the damping device and the suspension point should be in the same perpendicular line in order to reduce the friction between the compensation chain and the damping device.

4. The minimum distance is one meter between the installation point of the damping device and the curve bottom of the compensation chain. Otherwise it may cause accidents.



# Ropes & Cordage

We offer a diverse range of ropes for climbing, rappelling, fall protection, knotting, and caving, ensuring compliance with the latest quality standards for safety. Our commitment includes quality assurance, educational resources, customization options, responsive customer support, collaborations, a feedback loop, sustainability initiatives, appealing branding and packaging, and a strong online presence. Our goal is to provide top-quality products while prioritizing safety, education, and customer satisfaction to build a reputable brand in the market.

Available in Polyester, Polyamide, Polypropylene, HMPE and Aramid Fibers.

# AIRCRAFT ARRESTER

MADE IN INDIA

# Aircraft Arrester

Through use of superior design, quality materials and attention to details , we at FERRETERRO have raised product performance to a new level. We work closely with customers to learn their operating conditions and prerequisites to solve lifting challenges and diverse cargo handling needs. We offer complete solutions tailored to individual customer needs, including inspections, education, certifications and maintenance services.

Today we are working round the clock and FERRETERRO products are hard at work on Land, in Air and on Sea serving all phases of handling industry, keeping safety as first priority.

# Fork Lift Protection

"Made to fit the customer's forklift blades", FERRETERRO Forklift Protection Pads" are coated with thick durable polyurethane." In other words, these protective products are available in a variety of sizes and styles and can be made to customer specification. The main advantages are as under:

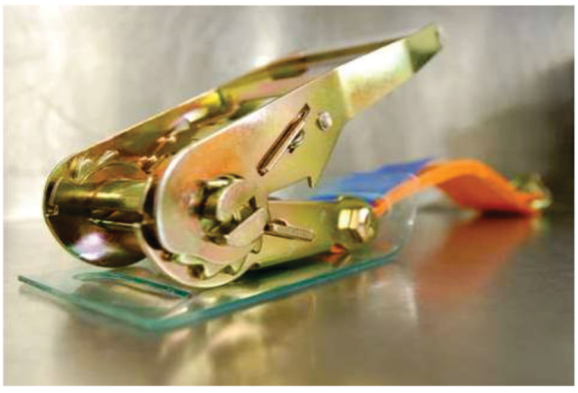
**1. Economic –** Polyurethane pads are more cost effective than repairs and replacement.
**2. Durability –** Even with heavy use, polyurethane pads offer cushioning without wear. The rubber itself from which the forklift pad is made is long-lasting and bounces back load after load.
**3. Flexibility –** Forklift bumpers made of polyurethane are flexible, which helps to evenly distribute a load, which increases the stability of transport.
**4. Customizable –** Polyurethane forklift bumpers can be custom fitted to the tines of a forklift as a permanent attachment. They can also be temporarily attached and secured with chains.
**5. Preventative –** Fitting polyurethane pads to a forklift helps protect the tines from scratches and dents that might eventually lead to rust and decay. In addition to protecting the machine itself, FERRETERRO Forklift Protection Pads prevent damage to coated pipe or any painted material being lifted by forklifts. This can save you time and money on costly repairs.
**6. Replaceable –** When installed, permanent polyurethane forklift pads are fitted to steel shoes. Worn out polyurethane can be stripped off of the steel and new pads fitted in their place.

# Ferreterro Sling Savers

Another Innovation from Ferreterro. Introducing Sling savers

- Made of Extremely heavy duty Polyurethane
- Can be used on shackles
- Can be used on closed links
- No chance of slippage
- Rotates freely so no internal abrasion on sling eyes
- Collared so edges also protected
- 3 year warranty
- Upto 50 ton Available

Ratchet protector sleeve



- Ratchet protector sheets, to prevent delicate cargo getting damaged by Ratchet buckle.
- Double slot keeps its location fixed while transit or movement

## Slackline

This introductory, 2-inch wide starter slackline kit is designed specifically for beginner and intermediate users. The custom weave creates a stable surface ideal for learning to slackline and the simple design makes it easy to set up. Two-piece slackline is fully adjustable and easily installed between trees or other sturdy anchor points. Improve balance skills, core strength, and coordination while having fun.
LENGTH: 42 foot (12.8 meter) or 77 foot (23.4 meter)
main line, 8 foot (2.4 meter)
WEBBING STRENGTH: 4 tons MAX WEIGHT: 300 pounds (136 kilogram)

# Temporary Flowline/pipeline Restraint System (TPR)

Temporary Pipe Restraint (TPR) system is used on high pressure temporary flowlines. Properly applied, this system will provide an additional level of protection for personnel and physical assets by minimizing the amount of sudden movement in the event of an iron failure. The TPR system comes in 3 models: Standard and Premium and Xtreme HD

| Duty | Color Code | Pipe Size and PSI Rating |
|---|---|---|
| Standard | Red | 2” Max Pressure 15K PSI |
| | | 3” Max Pressure 8K PSI |
| | | 4” Max Pressure 5K PSI |
| Premium | Blue | 2” Max Pressure 20K PSI |
| | | 3” Max Pressure 15K PSI |
| | | 4” Max Pressure 10K PSI |
| Xtreme HD | Orange | 2” Max Pressure 20K PSI |
| | | 3” Max Pressure 20K PSI |
| | | 4” Max Pressure 15K PSI |

TPR system is easier and faster to use and service than competitive restraints. It can be rigged up and down concurrently with pipework rigging, rather than the sequential rigging required by competitive systems. This means if you have a piece of iron that needs to be replaced, you can break the TPR and replace the iron without removing all the TPR.
TPR system can be untied anywhere along the flowline and quickly re-installed after a leaking connection is addressed. This allows the operator to resume operations faster and negates the need to completely dismantle the system to correct a problem.

The TPR system should never be considered as a substitute for due diligence with respect to proper selection of pressure containing equipment and execution of a regular inspection and maintenance program. The TPR system can significantly reduce, but never eliminate, damage in cases of flowline separation under pressure.

* Pair with Ferreterro Make Screw Pin Shackle

# Refrigerated Container lashing system

In all Refrigerated container, there is a need to hold the goods inside container as no packaging can stuff the container tight enough to restrain movement in all directions. Since refrigerated containers don't have lashing points/hooks it was a challenge for Pharma products and food stuff exporters who had to face losses due to transit damages.
Ferreterro developed first time a method to restrain goods inside refrigerated containers.

REEFER STOPPER AND REEFER LASHING POINTS AVAILABLE

# Shoulder Dolly

- Enjoy unrestricted arm movement – The Shoulder Dolly acknowledges the importance of keeping your arms free. It ensures stability, facilitates door opening, and maintains overall balance.
- Lift and move with safety – Designed ergonomically to encourage and support proper lifting techniques.
- Alleviate back pain – By promoting correct lifting methods and leveraging the body's strongest muscles, such as the legs and torso, it prevents back pain and strain. This approach significantly reduces stress on the arms and hands.
- Enhance versatility – The strap's extensive adjustability through the buckle allows users to move and lift heavy, bulky furniture more effortlessly than ever.
- Universal fit – The adjustable webbing through the buckle overcomes height differences among movers, ensuring a one-size-fits-all solution.

# ICE AXE

The GLACIER ice axe is renowned for its exceptional anchoring qualities in challenging conditions like hard snow and ice, thanks to its premium steel pick. The pick ensures a solid bite and remarkable durability. The anodized aluminum shaft, coupled with a meticulously machined handle, enhances grip for optimal performance.
The high-quality aluminum shaft (7075 aluminum, used in aeronautics) comes with an anodized finish, offering excellent rust protection.

# Tugger Snow Shoes

We Manufacture Best in Class Hybrid tugger Snow shoes. Made from Engineered Polymer to withstand extreme cold temperatures is designed to afloat as well as give safety from stones, sticks and protruding objects. Built in Side crampons for sideways grip and give a strong grip on ice below the snow.

# Technical Crampons

We manufacture 12-point technical crampons designed for extreme situations, meticulously crafted to meet all your requirements. Our diverse range is thoughtfully manufactured using only the finest materials. The innovative slick heel lever is our solution to the requirements of modern crampon-proof boots. Stick on anti-balling plates also available to prevent snow build-up, ensuring optimal performance in challenging conditions.

# Micro Spike Crampon

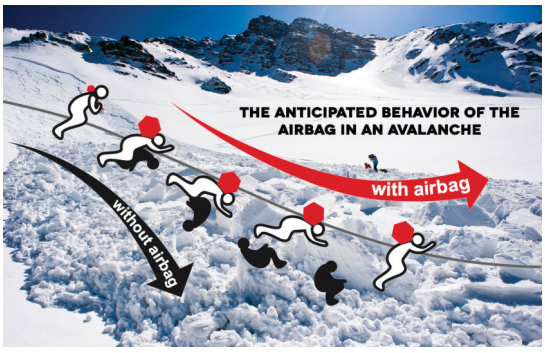
Tailored for running or hiking adventures demanding resilient traction across diverse terrains such as ice, snow, rocks, and streets, this footwear is engineered to provide uninterrupted performance. Specifically crafted for icy and hard surfaces like roads and sidewalks, this ultra low-profile traction device stands out for its innovative design, prioritizing both comfort and stability during running or walking activities.

# Tactical Elbow and Knee Pads

Anti-slip material inside out, Fastening and adjustment with Velcro, on the inner side of the elbow there is a neoprene part for load distribution from the side of the mount
Shockproof plastic shield with bends
Manufactured from 100% Nylon 66, polyethylene foam, High Impact polymer are most durable in class.

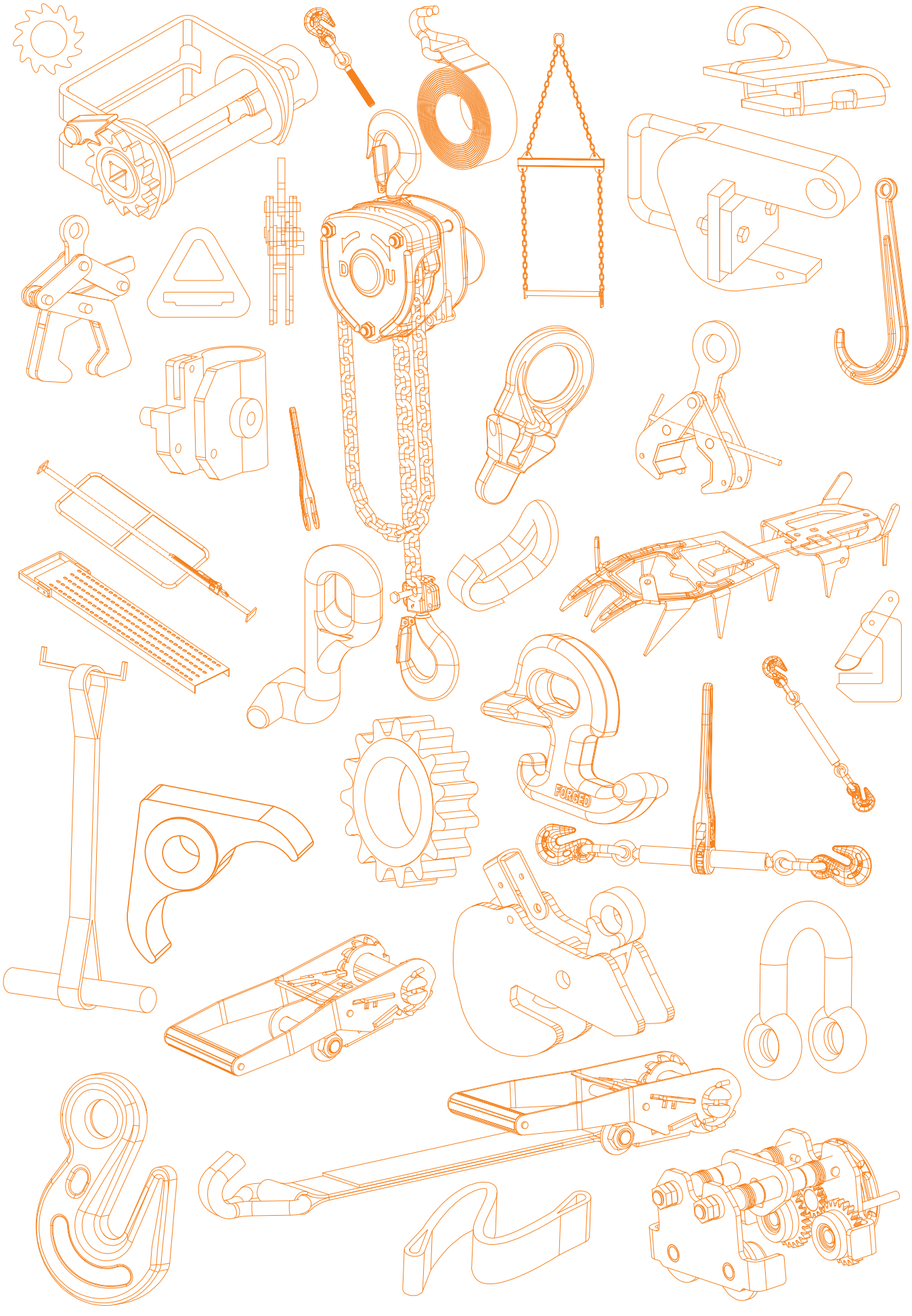
# Avalanche Air Bag

An avalanche backpack is equipped with a built-in avalanche airbag system, consisting of a sizable balloon that deploys upon pulling a cord or handle. The inflated airbag reduces the risk of being fully submerged in an avalanche, increasing the chances of a quicker rescue.

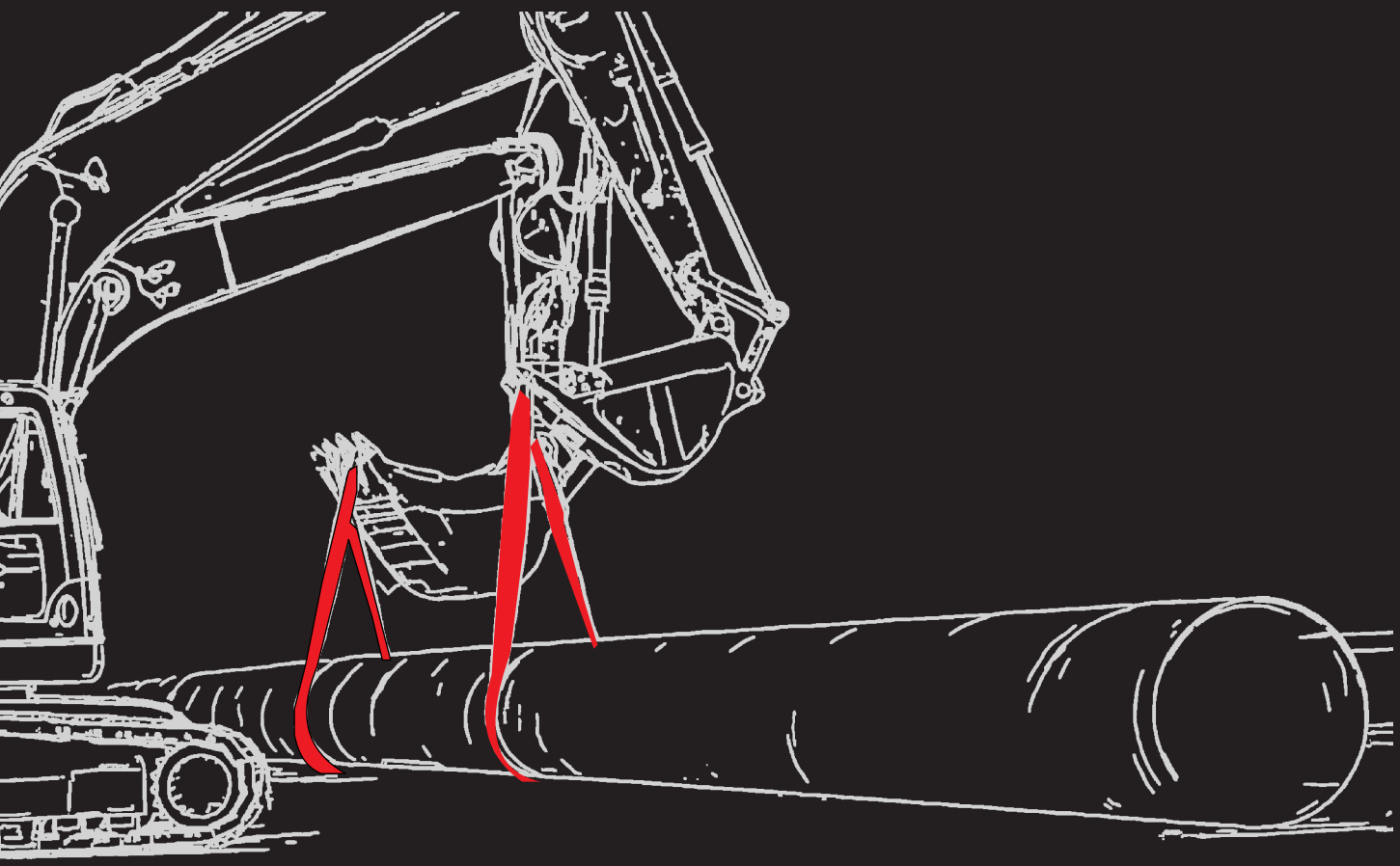


Hybrid Airbag activates with Compressed Natural Air as well as Turbocharged Supercapacitor Inflator system.

# Notes & Drawing




Custom Engineering Simplified



FERRETERRO PRODUCT CATALOG 2024-25

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